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1982-1984

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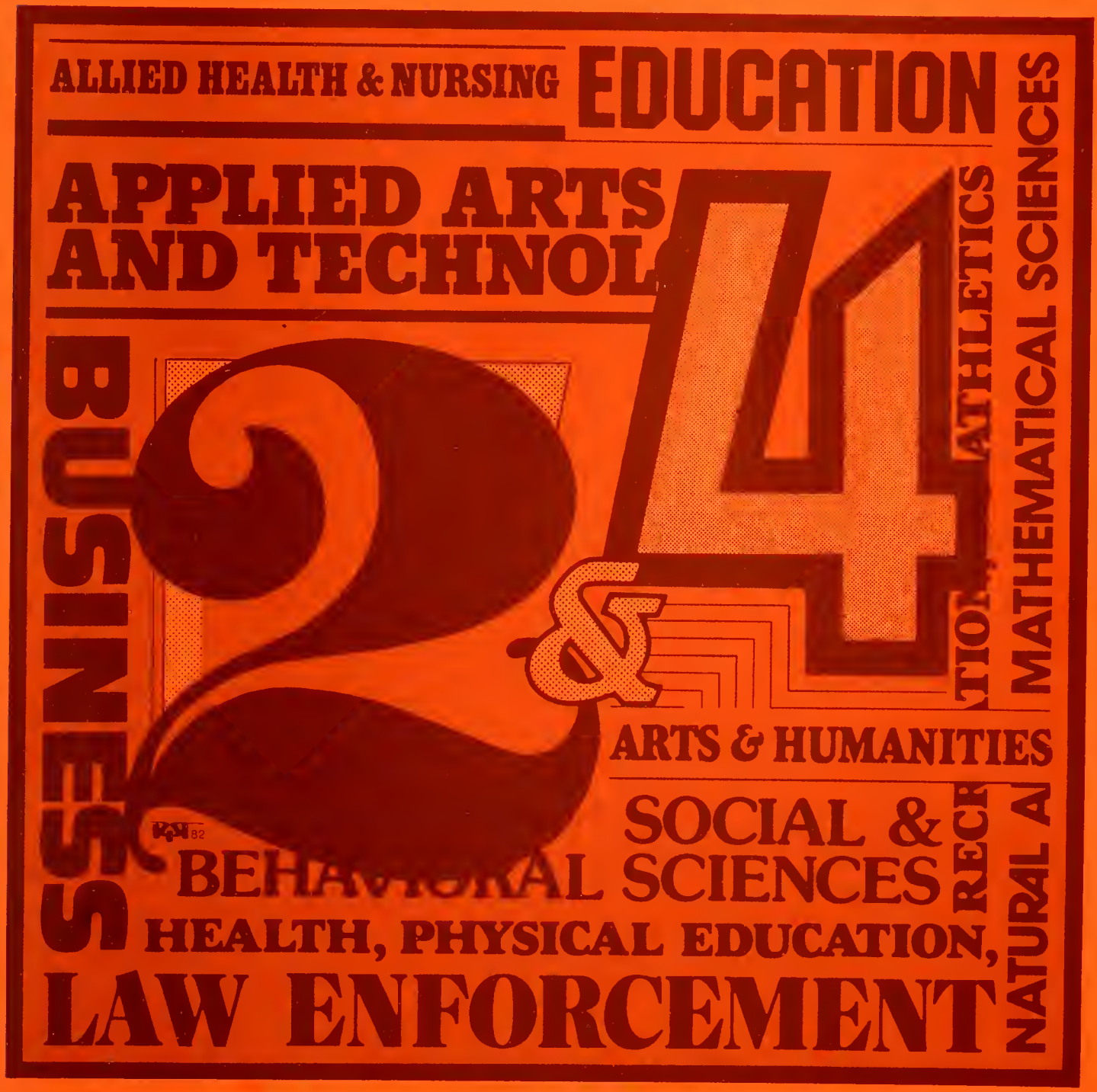

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Memberships and Accreditations

MEMBERSHIPS

American Anthropological Association
American Assembly of Collegiate Schools of Business
American Association of College Registrars and Admissions Officers
American Association of Colleges for Teacher Education
American Association of State Colleges and Universities
American Association of University Women
American Colleges of Nursing
American College Health Association
American Conference of Academic Deans
American Council on Education
American Film Institute
American Personnel and Guidance Association
American Political Science Association
American Society of Allied Health Professions
American Society of Journalism School Administrators
American Technical Education Association
American Theatre Association
Association of Administrators of Home Economics
Association for Continuing Professional Education
Association of Departments of English
Council on Colleges of Arts and Sciences
Council of Graduate Schools in the United States
National Association for Business Teacher Education
National Association of Industrial Technology
National Association of Schools of Public Affairs and Administration
National Commission for Cooperative Education
National University Continuing Education Association
Southern Regional Educational Board

ACCREDITATIONS

American Bar Association
(Associate and Baccalaureate Programs in Legal Assistance)
American Chemical Society
American Medical Association/Committee on Allied Health Education & Accreditation:
Emergency Medical Technician/Paramedic
(Associate Degree Program)
Health Record Science/Medical Record
(Associate and Baccalaureate Programs)
Medical Assisting Technology
(Associate Degree Program)
Occupational Therapy
(Baccalaureate Degree Program)
Council on Social Work Education
National Association of Industrial Technology
National Association of Schools of Music
National Council for Accreditation of Teacher Education
National League of Nursing
(Associate and Baccalaureate Programs)
Southern Association of Colleges and Schools

All statements in this publication are announcements of present policy only and are subject to change at any time without prior notice. *They are not to be regarded as offers to contract.*

Eastern Kentucky University is an Equal Opportunity-Affirmative Action employer and does not discriminate on the basis of age, race, color, religion, sex, handicap or national origin in the admission to, or participation in, any educational program or activity which it conducts, or discriminate on such basis in any employment opportunity. Any complaint arising by reason of alleged discrimination shall be directed in writing to Dr. Rebecca Broaddus, Million House, E.K.U. Campus, telephone number 622-1258.

The Board of Regents of Eastern Kentucky University does hereby reaffirm that neither race, nor creed, nor color, nor sex, nor handicap shall be a criterion for admission to any part of any program or activity conducted by Eastern Kentucky University.

Eastern Kentucky University is an equal educational opportunity institution.

In this publication, the masculine gender is used to achieve a simpler and economical style. Eastern Kentucky University endeavors in all programs to avoid discrimination. It should be clear therefore, that the use of the masculine gender is solely a stylistic device.

1982-83 University Calendar

FALL SEMESTER — 1982

August 21	Saturday	8:30-9:30 a.m.	Check in for graduate assistants
		9:30 a.m.	Assembly of faculty and administrative staff
		10:30 a.m.	College and departmental meetings
		1:30 p.m.	Advisor meetings
August 22	Sunday	10:00 a.m.	Dormitories open
August 23	Monday		New student meetings in Brock Auditorium as follows:
		8:15 a.m.	Transfer students
			New Freshmen and other returning students not enrolled in the Spring Semester 1982 and who have majors in the colleges of:
		9:30 a.m.	Allied Health & Nursing, Business, Law Enforcement, Health, Physical Education, Recreation & Athletics and Social & Behavioral Sciences
		10:30 a.m.	Applied Arts & Technology, Arts & Humanities, Education, Natural & Mathematical Sciences, and Undeclared
August 23-25	Monday thru Wednesday	1:00 p.m.	Freshmen who have not previously taken the ACT Test must do so on one of these days at 1 p.m., Combs 322.
August 23-25	Monday thru Wednesday		Registration
August 26	Thursday		Classes begin on MWF pattern
August 26, 30, 31 September 1	Thursday, Monday, Tuesday, Wednesday	5:00-6:00 p.m.	Registration of evening students, Roark Hall
August 26-September 3			Late registration and schedule changes
August 28	Saturday	9:00-11:00 a.m.	Late and evening registration, Roark Hall
August 31	Tuesday		First day to apply for student teaching for Spring Semester, 1983
September 3	Friday		Last day to add a class or to change from audit to credit
September 6	Monday		Labor Day — No Classes
September 15	Wednesday		Last day to drop a course without a grade, to change from credit to audit, or to change to or from "pass-fail"
September 24	Friday		Last day to apply for student teaching for the Spring Semester, 1983
October 11	Monday		Columbus Day — No Classes
October 16	Saturday	8:00 a.m.	Graduate Record Examination, Combs Classroom Building, 318
October 22	Friday		Mid-semester reports due to the Registrar
October 29	Friday		Last day for May and August, 1983, graduates to apply for graduation in the offices of their college deans
October 30	Saturday	8:00 a.m.	ACT Test, Combs Classroom Building, Room 322
November 6	Saturday	9:00 a.m.	Graduate Competency Examination for all College of Education Master degree candidates graduating in December, Combs Classroom Building
*November 17-December 10			Advising Weeks for Spring Semester, 1983

November 23	Tuesday		Classes close at the end of the day for Thanksgiving holiday. **Evening classes will meet as scheduled.**
November 29	Monday		Classes resume Last day to drop a class Thesis deadline for December, 1982 graduate students
December 4	Saturday	8:15 a.m.	Law School Admissions test, Combs 318
December 6	Monday	9:00 a.m.	Undergraduate Competency Examination for all Fall, 1982 student teachers, Combs Classroom Buiding
*December 6, 7, 8	Monday, Tuesday, Wednesday		Spring Semester, 1983,* Pre-Registration for currently enrolled students. Fee payment and other support activities will continue through Friday.
December 6-10			"Pre-Final Examination Week." See Policy statement under Exam Schedule.
December 8	Wednesday		Oral/Comprehensive Reports for December, 1982 due in Graduate School
December 10	Friday		Recognition Reception for candidates for completion of degree programs in December
December 11	Saturday	8:00 a.m.	ACT Test, Combs Classroom Building, Room 322
December 13-18			Final Examinations

*The University may change to a computer assisted registration effective as of the Spring Semester 1983. In that event, Advising Weeks and the Pre-Registration dates may be changed. Students will be kept informed of these changes.

SPRING SEMESTER — 1983

January 5	Wednesday	12 Noon	Dormitories open
January 6, 7, & 10	Thursday, Friday, and Monday		Freshmen who have not previously taken the ACT Test must do so on one of these days at 1 p.m., Combs 322.
January 6, 7, & 10	Thursday, Friday, and Monday		Final Registration Period for Spring Semester 1983
January 8	Saturday	8:00-12:00 a.m.	Evening & Part-time student registration — Registration Center
January 10	Monday	6:00 p.m.	Evening Classes Begin
January 11	Tuesday	8:00 a.m.	Regular classes begin on MWF pattern
January 10, 11, 12, 13	Monday, Tuesday Wednesday, Thursday	4:00-6:00 p.m.	Registration of evening students, Registration Center
January 11-14			Late registration and schedule changes.
January 14	Friday		Last day to enter a class or change from audit to credit
January 17	Monday		First day to apply for student teaching for Fall Semester 1983
February 2	Wednesday		Last day to drop a course without a grade, to change from credit to audit, or to change to or from "pass-fail"
February 5	Saturday	8:00 a.m.	Graduate Record Examination, Combs Classroom Building, 318
February 11	Friday		Last day to apply for student teaching for Fall Semester 1983
February 21	Monday		Washington's Birthday — No Classes
March 11	Friday		Mid-Semester Reports due to the Registrar

March 13-20			Spring Vacation
March 21	Monday	8:00 a.m.	Classes Resume
March 28-May 11			Advising Weeks for Summer and Fall, 1983 semesters
April 1	Friday		Good Friday — No Classes
April 2	Saturday	9:00 a.m.	Graduate Competency Examination for all College of Education Master degree candidates graduating in May, Combs Classroom Building
April 4-May 11			Summer and Fall Registration
April 21	Thursday		Last day to drop a class Thesis deadline for May, 1983 graduate students
April 23	Saturday	8:00 a.m.	Graduate Record Examination, Combs Classroom Building, 318
April 29	Friday		Last day for December, 1983 graduates to apply for graduation in the offices of their college deans
May 2	Monday	9:00 a.m.	Undergraduate Competency Examination for all Spring, 1983 student teachers, Combs Classroom Building. Oral/Comprehensive Reports for May, 1983 graduates due in Graduate School
April 27-May 3			"Pre-Final Examination Week"
May 4-11			Final Examinations (Starting at 2 p.m. on Wednesday the 4th until 1 p.m. Wednesday the 11th
May			Commencement Exercises
May 16-June 10			Spring Intersession
May 30	Monday		Memorial Day — No Classes

SUMMER SESSION — 1983

June 1-13	(excluding weekends)		Summer School Registration
June 10, 13	Friday & Monday	1:00 p.m.	Freshmen who have not previously taken the ACT Test must do so on one of these days at 1 p.m., Combs 322.
June 11	Saturday	8:00 a.m.	Graduate Record Examination, Combs Classroom Building, 318
June 13	Monday	8:00 a.m.	Final Registration for Summer School
June 14	Tuesday	8:00 a.m.	Classes begin.
June 16	Thursday		Last day to add a course or to change from audit to credit
June 22	Wednesday		Last day to drop a course without a grade, to change from credit to audit, or to change to or from "pass-fail"
July 4	Monday		Independence Day — No Classes
July 8	Friday		Graduate Competency Examination for all College of Education Master degree candidates graduating in the Summer, Combs Classroom Building
July 15	Friday		Last day to drop a course
July 22	Friday		Thesis deadline for August 1983 graduate students
July 27	Wednesday		Oral/Comprehensive Reports for August 1983 graduates due in Graduate School
August 4	Thursday		Commencement Exercises
August 5	Friday		Close of Summer School

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INTRODUCTION

Eastern Kentucky University is a regional coeducational public institution of higher education offering general and liberal arts programs, pre-professional and professional training in education and various other fields at both the undergraduate and graduate levels. Located in Richmond, Madison County, Kentucky, Eastern has a distinguished record of more than seven decades of educational service to the Commonwealth.

Situated near the heart of the Bluegrass, Richmond is served by a network of major highways which makes Eastern easily accessible from all parts of Kentucky and surrounding states. Richmond is 26 miles southeast of Lexington, Kentucky, and Interstate Highways I-75 (North-South) and I-64 (East-West) make the metropolitan areas of Cincinnati, 112 miles to the North, and Louisville, 110 miles to the West, within convenient distance by automobile. Richmond is also served by U.S. Route 25 from Southeastern Kentucky and Kentucky Route 52 from the East and West. The Kentucky Turnpike and the Mountain, Daniel Boone and Cumberland Parkways provide even greater convenience in automobile travel to Richmond, since the city is located near the convergence of these arterial highways into the interstate systems.

Richmond, the county seat of Madison County, is an expanding community of approximately 21,000 population. Served by fine churches representing most Christian faiths, the community provides an excellent environment for the University student.

In and around Richmond are many areas of historic and scenic interest. Boonesborough State Park, birthplace of Kentucky, is located twelve miles to the north. Many other historical places are within easy driving distance. Scenic and recreational areas surround this section of the state.

HISTORY

The General Assembly of 1906 enacted legislation establishing the Eastern Kentucky State Normal School. Governor J. C. Beckham signed the bill into law on March 21, 1906, and on May 7 of that year, the Normal School Commission, meeting in Louisville, selected the campus of the old Central University, founded in 1874, in Richmond, Kentucky, as the site of the new school. On June 2, 1906, Ruric Nevel Roark was chosen President of the Normal School and the training of teachers was initiated.

In 1922, Eastern became a four-year institution known as the Eastern Kentucky State Normal School and Teachers College. The first degrees were awarded by this institution in 1925. In 1928, the College was accredited by the Southern Association of Colleges and Secondary Schools. In 1930, the General Assembly renamed the school as the Eastern Kentucky State Teachers College.

In 1935, a graduate program was approved at Eastern, leading to the Master of Arts in Education. In 1948, the General Assembly removed the word "Teachers" from the name of the College and granted the College the right to award non-professional degrees.

The most significant day since its founding came for Eastern February 26, 1966, when Governor Edward T. Breathitt signed into law a bill renaming the institution Eastern Kentucky University and sanctioning the awarding of graduate degrees in academic fields other than education.

During this period of time, Eastern Kentucky University has increased rapidly in size and stature. Beginning with a few students engaged in short review and certificate courses, the University today serves thousands of Kentucky's young men and women by offering a curriculum leading to the Associate of Arts, baccalaureate degrees and an expanding graduate program that presently offers degrees at the Master's level in many other fields as well as the already well-established Master of Arts degree in Education and the various fifth and sixth-year leadership programs in education. Specialist degree programs have been implemented in Education and Technology. In addition to these programs, Eastern offers joint doctoral programs with cooperating institutions.

Ever-mindful of the purpose of its founding, Eastern continues to recognize its historic function of preparing quality teachers for the elementary and secondary schools of the Commonwealth. However, a strong liberal arts curriculum leading to appropriate degrees, together with pre-professional courses in several areas and graduate programs, enable Eastern to uniquely serve the Commonwealth as a regional university.

PURPOSE

Within its statutory responsibilities, Eastern Kentucky University seeks to provide intellectual and cultural opportunities which will develop habits of scholarship and intellectual curiosity; provide a deep understanding of American democracy and the citizen's role in maintaining its strength and vitality; impart an understanding of man and his aspirations; enable effective and efficient communication; and prepare productive and responsive citizens. The University will remain responsive and flexible in order to serve in unique and needed ways.

Within these general responsibilities and purposes, the University has three specific functions — teaching, public service, and research — and places emphasis on the three in this order. Through its colleges and schools, the University seeks to offer quality instruction at a variety of degree levels in general education, the arts, the sciences, business, educa-

tion, pre-professional and professional areas, and applied and technical disciplines. Through consultative services, continuing education, and the extended campus, the University seeks to provide service to the community and region. Research seeks both to advance knowledge in the subject matter areas with which the University is concerned and to support the primary function of teaching.

MISSION STATEMENT

The Kentucky Council on Higher Education has approved the following Mission Statement for Eastern Kentucky University:

"Eastern Kentucky University shall serve as a residential, regional university offering a broad range of traditional programs to the people of central, eastern, and southeastern Kentucky. Recognizing the needs of its region, the University should provide programs at the associate and baccalaureate degree levels, especially programs of a technological nature.

"Subject to demonstrated need, selected master's degree programs should be offered, as well as the specialist programs in education. A retrenchment or elimination of duplicative or nonproductive programs is desirable, while development of new programs compatible with this mission is appropriate.

"The University should continue to meet the needs in teacher education in its primary service region and should provide applied research, service, and continuing education programs directly related to the needs of its primary service region.

"Because of the University's proximity to other higher education and postsecondary institutions, it should foster close working relationships and develop articulation agreements with those institutions. The University should develop cooperative applied research and teaching programs utilizing resources such as Lilley's Wood and Pilot Knob Sanctuary, and Maywoods."

COLLEGE OF ALLIED HEALTH AND NURSING

The College of Allied Health and Nursing has the purposes: (1) to provide courses of study for academic majors in various allied health and nursing disciplines and to offer programs to prepare students for professional and pre-professional fields; (2) to provide a program of academic advising for students majoring in programs within the college; (3) to provide supporting courses for students majoring in other fields; (4) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; (5) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; and (6) to serve the community and region through public service and to engage in research to advance knowledge and enhance the primary function of instruction.

COLLEGE OF APPLIED ARTS AND TECHNOLOGY

The College of Applied Arts and Technology has the purposes: (1) to provide courses of study for academic majors in the applied arts and technologies and to offer programs to prepare students for professional and pre-professional fields; (2) to provide selected general education courses in symbolics of information and humanities through the Department of Mass Communications; (3) to provide a program of academic advising for students majoring in programs within the college; (4) to provide academic specialization for students in teacher certification programs and to provide supporting courses for students majoring in other fields; (5) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; (6) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; and (7) to serve the community and region through public service and to engage in research to advance knowledge and enhance the primary function of instruction.

COLLEGE OF ARTS AND HUMANITIES

The College of Arts and Humanities has the purposes: (1) to provide courses of study for academic majors in the arts and humanities and to offer programs to prepare students for professional and pre-professional fields; (2) to provide leadership in its areas of general education, appropriate general education courses, and an interdisciplinary program in general education; (3) to provide a program of academic advising for students majoring in programs within the college; (4) to provide academic specialization for students in teacher certification programs and to provide supporting courses for students majoring in other fields; (5) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; (6) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; and (7) to serve the community and region through public service and to engage in research to advance knowledge and enhance the primary function of instruction.

COLLEGE OF BUSINESS

The College of Business has the purposes: (1) to provide courses of study for academic majors in the business-related disciplines and to offer programs to prepare students for professional and pre-professional fields; (2) to provide selected general education courses in economics and other appropriate disciplines; (3) to provide academic advising as required by students majoring in programs within the college; (4) to provide academic specialization for students in teacher certification programs and to provide supporting courses as appropriate for students majoring in other fields; (5) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; and (6) to serve the community and region through public service and to engage in empirical and applied research.

COLLEGE OF EDUCATION

The College of Education has the purposes: (1) to provide courses of study for academic majors in education, including certification programs for teachers and other supporting school personnel; (2) to provide the academic and field experiences necessary for teachers to function effectively in a culturally diverse society; (3) to provide academic and field experiences in preparing teachers to insure that exceptional children receive their education in the least restrictive setting; (4) to provide a program of academic advising for students majoring in programs within the college; (5) to cooperate with the other colleges in the programs of students in teacher certification programs; (6) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; (7) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; and (8) to serve the community and region and their school system through public service and to engage in research to advance knowledge and enhance the primary function of instruction.

COLLEGE OF HEALTH, PHYSICAL EDUCATION, RECREATION, AND ATHLETICS

The College of Health, Physical Education, Recreation and Athletics has the purposes: (1) to provide courses of study for academic majors in the health, physical education and recreation fields and to offer programs to prepare students for professional and pre-professional fields; (2) to provide selected general education courses in physical education and health; (3) to provide a program of academic advising for students majoring in programs within the college; (4) to pro-

vide academic specialization for students in teacher certification programs and to provide supporting courses for students majoring in other fields; (5) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; (6) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; (7) to serve the community and region through public service and to engage in research to advance knowledge and enhance the primary function of instruction; and (8) to develop and maintain programs of the intercollegiate and intramural athletics.

COLLEGE OF LAW ENFORCEMENT

The College of Law Enforcement has the purposes: (1) to provide courses of study for academic majors in the public safety and criminal justice fields and to offer programs to prepare students for professional roles within these fields; (2) to provide a program of academic advising for students majoring in programs within the college; (3) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; (4) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; and (5) to serve the community and region through public service and to engage in research to advance knowledge and enhance the primary function of instruction.

COLLEGE OF NATURAL AND MATHEMATICAL SCIENCES

The College of Natural and Mathematical Sciences has the purposes: (1) to provide courses of study for academic majors in the natural and mathematical sciences and to offer programs to prepare students for professional and pre-professional fields; (2) to provide leadership in its areas of general education, appropriate general education courses, and an interdisciplinary program in general education; (3) to provide a program of academic advising for students majoring in programs within the College; (4) to provide academic specialization for students in teacher certification programs and to provide supporting courses for students majoring in other fields; (5) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; (6) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; and (7) to serve the community and region through public service and to engage in research to advance knowledge and enhance the primary function of instruction.

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

The College of Social and Behavioral Sciences has the purposes: (1) to provide courses of study for academic majors in the social and behavioral sciences and to offer programs to prepare students for professional and pre-professional fields; (2) to provide leadership in its areas of general education, appropriate general education courses, and an interdisciplinary program in general education; (3) to provide a program of academic advising for students majoring in programs within the college; (4) to provide academic specialization for students in teacher certification programs and to provide supporting courses for students majoring in other fields; (5) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; (6) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; and (7) to serve the community and region through public service and to engage in research to advance knowledge and enhance the primary function of instruction.

GRADUATE SCHOOL

The Graduate School has as its basic purpose the administrative responsibility of all programs beyond the baccalaureate level at the University. It is charged: (1) to provide coordination between the colleges in the development of the University's graduate offering; (2) to act as a central source of information; (3) to recruit, admit and register students in advanced programs; (4) to oversee the advising of graduate students; and (5) to coordinate the University's program of graduate assistantships.

OFFICE FOR COMMUNITY COLLEGE PROGRAMS

The Office for Community College Programs has the following four basic functions; (1) to assist in the development, coordination, and promotion of high quality instruction in a variety of technical, business, semi-professional, and service-oriented professions below the baccalaureate level; (2) to provide a centralized source of information and coordinate the dissemination of information on all programs offered within the university below the baccalaureate level; (3) to coordinate liaison between the University and the community and junior colleges within the state and region; and (4) to administer the special program of "student readmission" into associate degree programs.

OFFICE OF UNDERGRADUATE STUDIES

The Office of Undergraduate Studies is responsible to the Vice President for Academic Affairs and Research in the areas of: (1) undergraduate programs; (2) the General Education program; (3) undergraduate academic advising; (4) academic registration; (5) developmental studies and programs; and (6) undergraduate student academic profiles.

2 STUDENT SERVICES INFORMATION

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EXPENSES

Since registration and other fees and dormitory room rents are subject to change periodically, no attempt is made in this publication to itemize these costs. This information is available from the Division of Admissions and School Relations prior to the beginning of each academic year.

DEFINITION OF RESIDENT STUDENT FOR FEE ASSESSMENT PURPOSES

The Policy on Classification of Student for Fee Assessment Purposes, adopted by the 1975 Kentucky Council on Higher Education, is applied to determine a student's eligibility for fees assessed Kentucky residents. The Policy provides the following rules and presumptions:

I. INTENT. Under current law the Council on Higher Education as a matter of policy establishes a higher fee or tuition for non-resident students attending public institutions than that charged Kentuckians. It is the intent of the Council on Higher Education that the state institutions of higher education in the Commonwealth of Kentucky shall apply uniform interpretations, as described in this policy and not otherwise, in determining whether students shall be classified as residents or non-residents for fee assessment purposes.

II. DEFINITIONS. Whenever used in this policy:

(1) The word "Institution" shall mean a college, university, or community college supported by appropriations made by the General Assembly of Kentucky.

(2) The word "Residence" or "Reside" shall denote continuous presence within this state, provided that temporary absence for short periods of time shall not affect the establishment of a residence.

(3) The word "Domicile" shall denote a person's true, fixed, and permanent home and place of habitation. It is the place where he intends to remain, and to which he expects to return when he leaves without intending to establish a new domicile elsewhere. Residence and domicile convey the same notion of permanence and principal home and are used interchangeably.

(4) The term "Emancipated Person" shall mean a person who has attained the age of 18 years, and whose parents: (A) have entirely surrendered the right to the care, custody, and earnings of such person; (B) who are no longer are under any legal obligation to support or maintain such person; (C) who no longer, in fact, voluntarily contribute substantial financial assistance; and (D) whose parents' income is not taken into account by any private or governmental agency furnishing financial educational assistance to such person, including scholarships, loans, and other assistance. If *all* of the aforesaid dependency tests are not met, said person shall be deemed an "Unemancipated Person."

(5) The word "Parent" shall mean a person's father or mother, or the parent having custody, or if there is a legal guardian or legal custodian of an unemancipated person, then such guardian or legal custodian; provided that such guardianship or custodianship was not created primarily for the purpose of conferring the status of resident on such unemancipated person.

(6) Attendance at a college or colleges in this state shall be deemed "Continuous" if the person claiming continuous attendance has been enrolled at college(s) in this state as a full-time student, as such term is defined by the governing body of said college(s), for two consecutive regular semesters since the beginning of the period for which continuous attendance is claimed. Such person need not attend summer sessions or other such intersession in order to render his attendance "continuous."

(7) The word "His" shall apply to the female as well as to the male sex.

III. GUIDELINES FOR DETERMINATION OF STATUS.

(1) The domicile of an unemancipated person is that of his parent.

(2) Upon moving to this State, an emancipated person who provides persuasive evidence of domicile may apply for resident classification for his unemancipated children; and provided that said person is not himself in this State primarily as a full-time student, his unemancipated children may at once be so classified.

(3) Any person who remains in this State when his parent(s), theretofore domiciled in this state, removes from this State shall be entitled to classification as a resident *while in continuous attendance at the degree level in which he is currently enrolled.*

(4) An unemancipated person whose parent is a member of the Armed Forces and stationed in this State pursuant to military orders shall be *classified* as a resident. The student, while in continuous attendance at the degree level in which he is currently enrolled, shall not lose his resident status when his parent is thereafter transferred on military orders.

(5) An emancipated person who moves to the Commonwealth within six months from the date of discharge from the military service with the stated intent of becoming a resident of the Commonwealth shall be permitted to count such time spent in the military service toward meeting the presumptions outlined in Section 4, provided the individual entered military service from the State of Kentucky or his home of record and permanent address at the time of discharge was Kentucky.

IV. PRESUMPTIONS. Unless the contrary appears from clear and convincing evidence, it shall be presumed that:

(1) Except as provided in Section 4 (2), every person remaining in this State in a non-resident status for the twelve months immediately preceeding shall be a resident student for fee assessment purposes. No person having his domicile elsewhere than in this State shall be classified as a resident for fee assessment purposes.

(2) No emancipated person shall be deemed to have gained residence while attending any educational institution (public or private) in this State as a full-time student, as such status is defined by the governing board of such institution, in the absence of a clear demonstration that he has established domicile in the State. However, attending college in a part-time status will not prevent such person who has bona fide full-time employment in the State from establishing domicile.

(3) The domicile of a married person shall be determined by the provisions of these regulations independent of the residency of the spouse.

(4) A person does not gain or lose resident status for reason of his presence in any state or country while a member of the Armed Forces of the United States. However, a member of the Armed Forces of the United States stationed in Kentucky on military orders, except members of the Armed Forces specifically assigned for educational purposes to state-supported institutions of higher education is presumed to be domiciled in the State and shall be entitled to classification as a resident while on active duty in this State pursuant to such orders. Resident status is similarly granted to his unemancipated children.

(5) In the event an unemancipated person's parents should have separate domiciles, his domicile shall be that of the parent having legal custody. In the event neither parent has legal custody, his domicile shall be that of the parent furnishing him the greater financial assistance.

(6) Use of records. A student whose admissions records show him to be a graduate of an out-of-state high school and his residence to be outside of Kentucky will normally be classified as a non-resident.

(7) Aliens. Aliens lawfully admitted to the United States for permanent residence under a permanent visa may establish Kentucky residence in the same manner as any other non-resident. An alien who possesses a student visa cannot be classified as a resident.

V. TYPES OF EVIDENCE TO BE CONSIDERED FOR ESTABLISHMENT OF DOMICILE. If a person asserts that he has established domicile in Kentucky for a period of twelve months immediately preceding the last date for enrollment in an institution, he has the burden of proving he has done so. The following statements pertain to the kinds of evidence that will be considered in reviewing an assertion by a person that he is domiciled in Kentucky.

(1) The following facts, although not conclusive, have probable value in support of a claim for resident classification: acceptance of an offer of permanent employment in this State; former residence in the State and the maintenance of significant connections therein while absent; or abandonment of a former domicile and establishing domicile in the State with attendance at an institution following and only an incident to such domicile.

(2) The following facts are not necessarily sufficient evidence of domicile: Employment by an institution as a fellow, scholar, assistant, or in any position normally filled by students; a statement of intention to acquire a domicile in this State; voting or registration for voting; the lease of living quarters; payment of local and State taxes; Kentucky automobile registration; Kentucky operator's license; continued presence in Kentucky during vacation periods; marriage to a Kentucky resident; or the owning of any real property in Kentucky.

VI. RESIDENCY CLASSIFICATION AND APPEAL PROCEDURES. Each institution shall establish a Non-Resident Fee Committee to consider changes in resident status based on the above criteria. Application for change of resident classification shall be made in writing to the Director of Admissions and School Relations or to the person who has been designated as the Chairman of the Non-Resident Fee Committee. The Chairman may present each case to the Commonwealth for a final decision, and the student will be notified in writing as to the disposition of his application.

In the event of a ruling by the Non-Resident Fee Committee which is unsatisfactory to the student, the student may request that a copy of his file be submitted by the Director of Admissions and School Relations or the person designated by his institution to the Executive Director of the Council on Education for referral to the Council's Committee on Residency Review for its recommendation to the institution.

STUDENT FINANCIAL OBLIGATIONS

Any student or former student who is indebted to the University and who fails to make satisfactory settlement within a time limit prescribed is liable for administrative action. Students who are indebted to the University may not register at the University nor will their transcript be released until the debt is paid. Any student indebted to the University who can not meet his financial obligations within the time limit prescribed is responsible for calling on the Director of Billings and Collections and explaining the reasons for failure to pay. Short extensions may be granted for good and sufficient reasons.

REFUND POLICY

Registration fees paid by students during pre-registration periods will be refundable in full providing the request for refund is filed prior to the beginning of the regular registration period of the term for which the fees have been paid. The advance housing payment will be refunded in full if cancellation is received by July 15 for the fall semester; December 15 for the spring semester; or May 15 for the summer term, respectively.

Refunds on fees, board plan charges, and room rental charges upon official withdrawal from the University shall be made on the following schedule:

During regular registration period:
Prior to the first day of classes — 90%
During the first and second weeks of classes — 75%
Third and fourth weeks — 50%
Fifth and sixth weeks — 25%
After six weeks, no refund will be made.

During the summer session:
Prior to the first day of classes — 90%
First week — 75%
Second week — 50%
Third week — 25%
After three weeks, no refund will be made.

For the purposes of calculation, weeks are defined in seven-day periods beginning with the first day of classes for the semester or summer term.

The percentage of refunds shall apply only to registration and class fees, board plan charges, and room rentals. In no case shall a refund of rent be made to a person who remains a student but moves from University housing at his convenience. Students who move from University housing during the first six weeks of the semester may apply for refund of Board Plan fees in accordance with the schedule above.

Refunds for reduction in course load for part-time students will be at the same percentage rate as for students who officially withdraw from the University; however, if the reduction in course load results from the cancellation of a class or from the student having been permitted to enroll for a class for which he was not eligible, a full refund will be made of the registration fee for the course being dropped. Refunds for

reduction of course load must be approved by the Vice President for Academic Affairs and Research.

LIVING ACCOMMODATIONS

Eastern Kentucky University maintains a number of Residence Halls. All single full-time undergraduate students under twenty-one years of age not residing with their parents are required to live in University Residence Hall facilities. Graduate students, married students, and single undergraduate students over twenty-one years of age must secure special permission from the Director of Housing if they wish to occupy a room in a residence hall.

There are a number of large rooms in the dormitory housing that are designed for three-person occupancy. These rooms are as follows: Burnam Hall: 39, 40, 41, 49, 121, 143, 243 and 343. Case Hall: 318, 320, 322, 418, 420 and 422. Sullivan Hall: 113, 125, 213, 214, 219, 225, 226, 313, 314, 319, 325 and 326.

The University provides sheets and pillowcases and a weekly linen exchange for residence halls. All other items are to be furnished by the student. Residence halls have modern coin-operated laundry and drying machines. Several laundries and dry cleaning establishments are located a short distance from the campus.

All students desiring housing at Eastern Kentucky University in residence halls must complete an application and a contract and forward them, along with a $50 advance payment for Fall and Spring semesters or $20 advance payment for the summer term, to the Director of Billings and Collections, Eastern Kentucky University, Richmond, Kentucky.

The housing advance payment is necessary before a reservation can be made. It will be applied to the rent for the first term following enrollment. Reservations will be held only through the day preceding the first day of classes unless students have made arrangements with the Director of Housing or individual Residence Hall Director.

Room rent is paid by the semester and is due and payable at registration.

FAMILY HOUSING

Requests for family housing reservations in Brockton, including the trailer courts, should be made to the Director of Housing, Office of Student Affairs. Applications must be accompanied by a $25 security deposit which is refunded upon termination of the rental period.

FOOD SERVICE

The University operates several food service facilities on the campus. Large air-conditioned cafeterias in the Powell Building, Martin Hall, and Sidney Clay Hall serve attractive, wholesome meals at reasonable prices. Students may elect to purchase food on an individual meal basis or meal plan. In addition, there is a cafeteria located in the Stratton Building and a grill in the Powell Building.

OFFICE OF STUDENT AFFAIRS

Through the Office of Student Affairs, the University informs students of the various aspects of campus life. Some of the more specific areas are: (1) orientation of freshman and transfer of students; (2) physical and mental health of students; (3) coordination of student activities and organizations; (4) housing assignments; (5) maintenance of certain personnel records; (6) Counseling Center; (7) implementation of the Student Rights and Responsibilities policies; (8) social programs; (9) veterans affairs; and (10) student financial assistance.

Students are encouraged to become responsible citizens of communities, citizens of a democracy, and professional people. Immediate emphasis is directed toward those activities which assist students in attaining maximum personal, social, and academic growth in a stimulating environment.

STUDENT HEALTH SERVICES

The mental and physical health of Eastern students is administered by the University Physician and his staff. The Infirmary is open during regular school hours, and a nurse is available for emergencies which might arise after regular office hours. The Infirmary has a limited number of beds for short-term illness or overnight care, when required. Serious illness or required surgery will be referred to the Pattie A. Clay Hospital, adjacent to the campus, at the patient's expense.

All new students must submit a medical form which is furnished them when admissions information is being filed. The Medical Record is a part of admissions; and after the student is admitted to the University, the Medical Record becomes a part of the student's health folder and is filed at the University Infirmary. With this information, it is possible to be of greater assistance to all full-time students who use the Infirmary services.

In addition to Student Health Services, the University provides instruction in first aid, personal hygiene, safety, and community hygiene.

COUNSELING CENTER

The University Counseling Center offers services designed to enhance the emotional development of students so they can achieve maximum benefit from their educational experience.

Psychologists and counselors provide individual counseling to assist students in their adjustment to personal and social development. When appropriate, psychological testing may be used to facilitate student self-understanding and realistic goal setting. Career counseling in groups for academic credit (GCS 199) is available each semester for students who are dissatisfied with or undecided about their career goals. A one-hour course entitled "Interpersonal Effectiveness Seminar" (GCS 198) is offered for the development of self-confidence and effective communication skills. In addition, psychiatric referral is available through the Center.

The counselor-student relationship is considered confidential and is carefully protected.

Students may make an appointment by calling or dropping by the Center or through referral from faculty, advisors, and friends.

FINANCIAL ASSISTANCE

ROTC Scholarships. Under the provisions of Public Law 88-647 a limited number of one-year, two-year and three-year ROTC scholarships are available for award to outstanding military students. These scholarships provide for payment of tuition, fees, book costs, laboratory expenses and subsistence pay of one hundred dollars ($100) per month. Selection of individuals will be based on criteria established by the Secretary of the Army and by action of an on-campus board consisting of the Professor of Military Science and other representatives from the faculty.

STUDENT LOANS

The National Direct Student Loan. This loan program provides loans for students whose family income and family assets place a limitation upon resources for educational purposes.

This is a low interest bearing, long term loan, interest free while in school, serving with the Peace Corps, Vista, and the Armed Forces. The interest charge during the repayment period is 5%.

The borrower may discount 12.5% of the loan per year up to a period of four years for serving in the Armed Services in a hostile area.

The borrower may also discount the Loan up to 100% of the total loan, including interest, for teaching services in an economically deprived area.

Supplemental Educational Opportunity Grants Program. The Higher Education Act of 1965 initiates a program of Supplemental Educational Opportunity Grants to assist in making available the benefits of higher education to quali-

fied high school graduates of exceptional financial need, and who would not be able to obtain the benefits of education without such aid. To qualify for the program, the student must be taking at least twelve semester hours of course work each semester and be an undergraduate in good standing.

The program is combined with other programs of financial assistance (Basic Educational Opportunity Grant, the National Direct Student Loan Fund, and the Work-Study Program) to the extent necessary to enable the student to meet his educational expenses.

It is the policy of the administration that prospective students should have a high school scholastic standing of "C" or better in order to apply for student financial aid.

For further information and an application form, write to the Office of Student Financial Assistance.

Guaranteed Student Loans. Eastern Kentucky University is a participant in the Guaranteed Student Loan Program which endorses loans made by hometown financial institutions, or by the Kentucky Higher Education Assistance Authority to qualifying individuals who are currently enrolled or have been accepted for admission to Eastern Kentucky University. The application for such a loan must be endorsed by Eastern Kentucky University before submission to the bank or other financial institution.

Under this program an undergraduate may be eligible to borrow up to $2,500 a year and graduates up to $5,000. The loan is interest free while the student is enrolled on at least half-time basis. Applications and further information on the Guaranteed Student Loans may be obtained from the student's hometown lending institution or by writing the Office of Student Financial Assistance.

Federally Insured Loans. Eastern Kentucky University is a participant in the Federally Insured Loan plan which endorses loans made by home town financial institutions to deserving individuals who are either currently enrolled or have been accepted for admission to Eastern Kentucky University. The application for such a loan must be endorsed by Eastern Kentucky University before submission to the bank or other financial institution.

Under this program a student may borrow up to $2,500 per academic year. Borrowers will qualify for interest-free benefits, regardless of income. Applications and further information for the Federally Insured Loan may be obtained from the student's hometown lending institution or by writing the Office of Student Financial Assistance.

Pell Grant. This program provides for the Payment of Basic Grant awards to students attending institutions of higher education and is intended to be the foundation of a student's financial aid package. All other sources of aid will be given *in addition* to the Basic Grant.

The maximum grant that a student can receive is $1,800 less the expected family contribution *and* no payment made to a student can exceed one half of the cost of attendance at his school. Application forms may be obtained from the Office of Student Financial Assistance or High School Guidance Office.

The Student Aid Society Inc. Loan Fund. This fund is designed to help worthy students complete their education. It has been augmented from time to time by gifts from different individuals and organizations and is being increased annually. Small loans are available to upperclass students who are currently enrolled. Those having high scholastic records will be given preference in the granting of loans. This fund makes it possible for a student to borrow a small amount of money on a personal note at a legal rate of interest. Students who desire further information concerning this fund should get in touch with the Chairman of the Student Aid Committee.

Nursing Student Loan Program. This program is intended to assist full-time students to achieve careers in Nursing by providing long-term, low-interest (6%) loans to help meet the cost of education. Students may borrow up to $2,500 for an academic year, or the amount of their financial need.

STUDENT EMPLOYMENT

There is opportunity for student employment whereby a limited number of students may earn part of their expenses by working in the cafeteria, library, bookstore, post office, dormitories, administrative offices, University dairy and farm, maintenance department, and faculty offices. Some students may also secure part-time employment in Richmond stores, restaurants, and other business.

Student labor should be limited so that work hours will not take too much of the student's study time. While ten hours per week is an average labor load, circumstances may permit a student to work more hours. No student, however, should enter the University without sufficient money for the semester unless there is a definite guarantee of work to support him. For further information and application forms, write to the Office of Student Financial Assistance, Eastern Kentucky University.

The Work-Study Program. Under a grant from the Federal Government, made possible by the Economic Opportunity Act of 1964, eligible students may be employed on a part-time basis while in full-time enrollment at Eastern. This program supplements the part-time Institutional Program which has been in effect at Eastern for many years.

A student or prospective student from a low-income family is eligible for employment under the Federal Work-Study Program. The student must enroll for a minimum of twelve semester hours of course work each semester and maintain satisfactory academic progress.

Placement in jobs will depend upon the financial needs, skills, interests, and aptitudes of the student and the availability of positions open at a given time. Students may work up to 20 hours per week, depending upon their needs. Payments are made to the student employee on a semi-monthly basis.

OTHER FINANCIAL ASSISTANCE

The Veterans Program at Eastern Kentucky University is approved by the Veterans Administration for the education of veterans and their eligible dependents. Students concerned with veterans training should have, at the time of registration, a Certificate of Eligibility. This is secured from the Regional office of the Veterans Administration. The University is responsible for the completion of certain Veterans Administration forms and for the other necessary information about students who receive this aid.

If you have completed courses while in the Armed Forces, ask the Registrar about the possibility of receiving credit for such courses.

Vocational Rehabilitation

Vocational Rehabilitation for students with physical handicaps of various kinds may be approved. They may also receive financial benefits. Students who wish to consult with a representative relative to vocational rehabilitation should write the Department of Education, Department of Vocational Rehabilitation, Frankfort, Kentucky, for specific instructions.

Veterans Administration Benefits

War Orphans, Widows, Children and Wives of Deceased and Disabled Veterans should contact the Veterans Administration, 600 Federal Place, Louisville, Kentucky. Application forms are available in the Student Financial Assistance Office.

Veterans wishing to receive advance payments should notify the Office of Veterans Affairs at least 30 days prior to the beginning date of classes.

For information concerning tutorial assistance or refresher courses, contact the Office of Veterans Affairs.

STUDENT ORGANIZATIONS AND ACTIVITIES

With its concern for the whole student, the University provides many services and activities. The mental and physical health, the social and academic well-being, and the provision of a meaningful life experience for the student are goals of the entire faculty and staff.

The changing nature of the University community in its phenomenal growth precludes a complete listing of all organizations and activities that will be available during the year. Students will find the available organizations and activities listed in official campus publications such as the University Handbook for Students and in notices posted on bulletin boards and in *The Eastern Progress.*

SOCIAL ACTIVITIES

The University Center Board arranges a variety of social activities for the benefit of Eastern's students. Such activities as movies, dances, concerts, and parties are planned for the students' enjoyment. The School Calendar lists all approved social activities. The Director of Student Activities and Organizations coordinates the activities on campus. Students have the opportunity to participate in a variety of leisure time activities.

STUDENT IDENTIFICATION CARD

When a full-time student registers at Eastern, he is given a combination identification-activity card bearing his photograph, student identification number, and signature.

Students must carry their I. D. cards at all times and produce them when requested by members of the University staff. The cards are used when drawing books from the library, cashing checks, and at University activities. Students are liable for disciplinary action for misuse of I. D. cards.

A fee will be charged for replacement if an activity card is lost. The loss of a card must be reported immediately to the Office of Student Activities and Organizations, Room 128, Powell Building.

ATHLETICS AND RECREATION

The University offers a varied athletic and recreational program for all students. It consists of extensive intercollegiate, intramural, specialized club and recreational activities.

Eastern Kentucky University is a member of the Ohio Valley Conference, the Kentucky Women's Intercollegiate Conference, the Association for Intercollegiate Athletics for Women, and the National Collegiate Athletic Association.

Athletic teams play schedules representing major regional institutions in addition to regular conference competition and advance to national tournaments when they qualify.

Intercollegiate competition is sponsored for men in baseball, basketball, football, golf, tennis, and track and field; for women, in basketball, cross-country, field hockey, tennis, track and field, and volleyball. Coed intercollegiate sports are rifle, swimming and diving.

The Intramural Recreational Sports Office offers programs in competitive team and individual sports, recreational free play, sport clubs, faculty staff activities, and co-ed activities.

STUDENT ORGANIZATIONS

The student organizations, societies and clubs form an intrinsic part of the program of Eastern Kentucky University that provides academic, social and religious experiences. The student organizations at Eastern offer varied activities to encompass the interests of all students.

There are 140 student organizations under the following categories: honor societies, departmental organizations in each major, religious organizations, activity organizations, social sororities, social fraternities, and service organizations.

CULTURAL ACTIVITIES

Every effort is made at Eastern to surround the students with cultural advantages. The programs presented are planned as part of the student's education and much time and effort is put forth to provide programs that will be of benefit to students.

Concert Series are presented through the University Center Board. Students are admitted to fine arts and lecture series without charge, but they must present identification cards for admission. Charges are made for pop concerts. These programs feature some of the outstanding individuals and groups in the nation.

Art Exhibits, arranged by the Art Department, are on continuous exhibition in the Fred P. Giles Gallery, Jane F. Campbell Building. Every effort is made to include in the exhibits the works of major artists, past and present, from across America and around the world. Also included are the works of art students, art majors, and faculty. In addition, special exhibits are sometimes arranged for showing in the Student Union Building.

Church Affiliation is recognized as an important factor in the life of any student. Eastern is a state-supported institution and is, therefore, non-denominational. The University has a basic objective in helping to develop ethical character among all students. There is close cooperation between the institution and several fine churches in Richmond. Students are encouraged to attend church services in town. Eastern makes spaces available for several student church organizations to meet on the campus.

Presently, three downtown churches have student centers adjoining the campus. Other student centers will be built in the near future on sites which have already been purchased.

Plays presented by the University Players are a significant contribution to Eastern's cultural life. Three major productions each year, along with studio productions and a drama program in the summer, provide numerous opportunities in acting, directing, and technical theatre. Participation in every aspect of the theatre program is open to all students.

STUDENT PUBLICATIONS

The Milestone is the University yearbook. Published annually, this publication contains photographs and statistical records of events of the University year. The book is distributed during the last two weeks of the spring semester.

The Milestone has received numerous national awards in recent years and is ranked annually among the top student publications in the nation.

The Eastern Progress, weekly student newspaper, is the official student publication of the University, and all students are encouraged to take advantage of the journalism training offered by the *Progress.*

Aurora is a magazine of student writing published by its student staff to encourage interest in literary activity.

Aurora accepts poems, one-act plays, short stories, prose sketches, and essays from any Eastern student. Cash prizes are awarded for the best works at the time of the spring publication.

STUDENT AUTOMOBILES

All motor vehicles which are parked on the campus must be registered with the University through the Division of Public Safety.

Students desiring to register a motor vehicle may do so only by presenting a valid operator's license and a motor vehicle bill of sale or registration receipt at the time of registration. The vehicle to be registered must be owned by the student or a member of his immediate family. In addition, all registered vehicles must meet all safety standards as prescribed by the Kentucky Department of Public Safety and the University.

Students who violate University parking regulations are subject to fine, and serious violations may result in revocation of parking privileges. Please consult Motor Vehicle Parking Regulations for further clarification of parking rules and procedures.

DIVISION OF CAREER DEVELOPMENT & PLACEMENT

Through the implementation of eight major services, the Division of Career Development and Placement, 319 Jones Building, assists students and alumni who are seeking employment and/or defining career objectives. Registration with the office through the filing of placement credentials is encouraged for graduating students and alumni.

Employment information, current job vacancy announcements, personal job referrals, and on-campus professional interviews are provided to assist those who are entering the employment market. Information on graduate and professional schools is also available. For individuals seeking career information, a professional staff is available to assist students on a one-to-one basis. The Career Information Resource Center, located within the facility, serves as a depository and dispensary of specific employment and career information. Part-time employment, summer employment, and information on internships are also available through the division.

Information on placement activities is available through the *FYI, The Eastern Progress,* academic and departmental personnel, bulletin boards, and other campus media.

THE ALUMNI ASSOCIATION

The Eastern Kentucky University Alumni Association serves as a vital link between the University and its graduates by maintaining records, communicating, and sponsoring programs and activities designed to enhance this relationship.

All Eastern Kentucky University degree recipients are automatically members of the Alumni Association. Life members and those paying annual dues are classified as "active," while non dues-paying members are carried as "inactive." Associate memberships for non-degreed individuals with an interest in the University are also available.

Alumni activities and programs are normally made available to active members of the Association. Two major activities are planned annually for all members, however. Homecoming, held each fall, features the 5- and 10-year reunion classes as well as other special interest group reunions. Alumni Day, held in the spring in connection with graduation, brings back the 70-, 60-, 50-, 40-, 25-, and 15-year classes and annually honors an Outstanding Alumnus recipient.

Other regular Association activities and programs include maintaining alumni chapters in three states and Washington, D.C.; offering alumni tours at reduced fares; publishing a biannual alumni magazine and periodic newsletters; arranging receptions or similar activities in conjunction with special University events; making available a life insurance program with low-cost group protection, offering book discounts from the University Press of Kentucky, and sponsoring the Alumni Scholarship program.

The Association's flexibility also allows occasional offerings of goods and services, such as the Alumni Directory and print sales, which keep alumni involved with the University and each other.

A member of the Council for the Advancement and Support of Education (CASE), the EKU Alumni Association is governed by 11 elected active graduates who serve for varying terms on the Alumni Executive Council, the governing body. The Director of Alumni Affairs serves as a permanent member of the Council.

PROVISIONS OF THE FAMILY EDUCATION AND PRIVACY ACT OF 1974 PUBLIC LAW 93-380

I. This is to serve notice to all students of Eastern Kentucky University of the rights and restrictions regarding the maintenance, inspection, and release of student records contained in the Family Education and Privacy Act of 1974. The University is composed of nine colleges and offers a wide variety of services to students. Each college and service requires the maintenance of some records concerning students enrolled in a particular college or participating in a non-academic service. The location and type of record maintained by the University depends upon the field of study or service in which the student is enrolled. The following is a list of the types of records maintained by the University and the name and position of the official responsible for the maintenance of each type record for undergraduate students.

A. Undergraduate records:

1. Grade reports
2. Transcripts
3. Curriculum information
4. Application for graduation
5. Correspondence with students, if any
6. Withdrawal records, if applicable
7. Admission forms
8. ACT test scores
9. Student teacher evaluation, if applicable
10. Letters of recommendation, if applicable
11. Nominations for awards, if applicable
12. Biographical data
13. Evaluation forms, if applicable
14. Weekly student teacher logs, if applicable
15. Mid-term evaluation, if applicable
16. Records of school visitations, if applicable
17. Physical Education requirement waiver
18. Field training evaluations and correspondence, if applicable
19. Professional conduct agreements and liability insurance coverage

B. In addition to the persons identified in paragraph C below, the following persons have access to pertinent student records: the student's advisor, academic deans, or equivalent University officials who have need of information in order to carry out their official responsibility.

C. A list of persons and offices maintaining the above records is maintained in the office of the President and will be made available to students upon request.

II. Students have the right to inspect any and all records directly related to them except as follows:

A. Students do not have the right to inspect confidential letters of recommendation placed in their files before January 1, 1975. Students may waive their right to inspect such letters furnished the University after January 1, 1975.

B. Students do not have the right to inspect records maintained by the University Division of Public Safety.

C. Students do not have the right to directly inspect medical, psychiatric, or similar records which are used solely in connection with treatment of a student; however, they do have the right to have a doctor or other qualified professional of their choice inspect such records.

D. Students do not have the right to their parents' confidential financial statements.

III. A student or parent, whichever is applicable, shall have the opportunity of a hearing to challenge the contents of any University record on the ground that such record or records are inaccurate, misleading or otherwise in violation of the privacy or other rights of the student and an opportunity for correction or deletion of any such record. If the student desires to challenge such a record, he shall do so by filing a written request in the office of the University Attorney stating which record is to be challenged and upon what ground. Such challenge of records shall be considered by the University Records Review Committee within a reasonable time not to exceed 30 days following such request. The student or parent will be allowed to present to the committee evidence, including witnesses, to the committee, in support of his challenge. This right to challenge also extends to former students of the University.

IV. The University shall not release student records to persons other than authorized University officials, to any individual, agency, or organization, other than the following, without the written consent of the student:

A. To other local educational officials, including teachers or local educational agencies who have legitimate educational interest.

B. To officials of other schools or school systems in which the student intends to enroll, upon the condition that the student be notified of the transfer and receive a copy of the record if desired and have an opportunity to challenge the contents of the record.

C. To authorized representatives of the Comptroller General of the U.S., the Secretary of HEW, or an administrative head of an educational agency, in connection with an audit or evaluation of federally supported programs.

V. The University shall not furnish in any form any personally identifiable information contained in personal school records to any persons other than those listed in paragraph IV above, unless there is a written consent from the student specifying records to be released, the reasons for such release and to whom, and with a copy of the records to be released to the student if desired, or in the event records are lawfully subpoenaed or otherwise judicially ordered, the University shall notify the student of such subpoena or judicial order in advance of the compliance therewith.

VI. All persons, agencies, or organizations desiring access to the records of a student shall be required to sign a written form which shall be kept permanently with the file of the student, indicating specifically the legitimate educational or other interest that such person, agency, or organization has in seeking the information.

VII. The University will release directory information to individuals, agencies, or organizations. Directory information includes the student's name, social security number, address, telephone listing, dates of attendance, degrees and awards. It will also release grade point averages of students being considered for honorary societies, awards, or other honorary recognition. This information will be released unless the student or parent notifies the University that such information shall not be released. Such notification should be sent to the office of the University Counsel.

VIII. Copies of student records, except official transcripts, will be furnished to the student at a cost of $.25 (twenty-five cents) per page.

IX. Parents of dependent students have a right to information concerning their childrens' grades without having to gain the student's consent.

3 GENERAL ACADEMIC INFORMATION

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ADMISSION TO THE UNIVERSITY

I. **Methods of Admissions** — Candidates for admission to Eastern may be approved in any of the following ways:

A. High School Graduation.

1. Admit all graduates of accredited Kentucky secondary schools upon the recommendation of their principal or guidance counselor.
2. Admit graduates of out-of-state secondary schools in accordance with the regulations of the Kentucky Council on Higher Education and in such a manner that the student body will reflect adequately various localities and areas of social responsibility and who are recommended by their principal or guidance counselor.

B. By Special Approval.

1. Students who have one unit less than the number required for high school graduation with superior grades may be admitted, provided the high school principal recommends the student as qualified to do college work.
2. All honorably discharged veterans are admitted upon their initial enrollment following discharge if they meet the equivalency or are graduates of accredited secondary schools.
3. Persons over 21 years of age who wish to pursue courses as special students without reference to graduation may be granted the privilege if they have adequate preparation for the courses desired.

C. With Advanced Standing.

1. Students who have attended other colleges or universities are admitted to the University upon presentation and approval of credits from accredited institutions. So that proper evaluation and acceptance can be made, applicants transferring from other colleges and universities should present their applications at least ten days prior to the day of registration for the semester or summer term in which they plan to attend.
2. Transfer credits will be accepted from accredited junior and senior colleges with appropriate grade points reflecting the grades that have been earned. The transfer student's complete academic record will be entered on the student's permanent record at Eastern in accordance with Eastern's policies. Normally, a transfer student's grade point standing at the university will be based on all academic work attempted at Eastern and at the institution(s) from which the student transferred. As a condition for meeting graduation requirements of the University, the student must have a minimum of a 2.0 standing on all course work completed at Eastern.
3. Transfer students who are admitted with a grade point average less than 2.0 will have the credits earned at an accredited institution evaluated on the basis of a 2.0 (C) average and the maximum hours allowed assigned on that basis. All transferred courses are evaluated by the appropriate college dean in terms of applicability in meeting specified degree requirements.
4. Eastern Kentucky University will accept all credits earned at junior and senior colleges that are accredited by the regional accrediting associations such as the Commission on Colleges of the Southern Association of Colleges and Schools. However, the *applicability* of transfer credits that will be counted toward the completion of a degree is determined by the dean of the college responsible for the administration of the degree program. Transfer courses will be evaluated on the basis of their comparability to general University as well as specific degree program requirements. Transfer students are reminded of the following:
   a. A minimum of 43 hours of upper division courses (300-500 level advanced undergraduate courses) is required for the baccalaureate degree. Freshmen and sophomore level courses completed at the other institutions, even though course titles may be similar to certain upper division courses at Eastern, may not be counted *automatically* as equivalent to *upper division courses* or to meet *Eastern's* 43 semester hour upper division requirement.
   b. For baccalaureate degree programs, a minimum of 30 of the last 36 hours must be earned at Eastern.
   c. For baccalaureate degree programs, a minimum of 32 semester hours must be earned at Eastern.
   d. *It is advisable to check with the office of the dean which administers the degree program regarding courses to be taken at other institutions. This procedure should take place before enrolling for courses in another institution if these courses are expected to fulfill requirements toward a degree at Eastern.*
5. All students requesting re-admission who have been cleared by all divisions of the university and who meet academic standards will be re-admitted.

Students who have been out of Eastern one year or more due to failure to meet academic standards may be re-admitted if they meet all re-admission guidelines.

6. A student may be placed in a more advanced class in some areas based upon his competence and/or previous courses taken in these areas.
7. A student may challenge a college course by examination. Upon receiving a satisfactory grade, credit will be awarded without grade or quality points.
8. USAFI College level credit in most fields is accepted on transfer from the United States Armed Forces Institute.
9. CEEB Advanced Placement Program Credit — In cooperation with the College Entrance Examination Board's Advanced Placement Program, Eastern Kentucky University grants credit for CEEB approved high school advanced placement courses when a score of three or higher is achieved on the appropriate CEEB Examinations. Credit may be awarded in American history, art, biology, chemistry, English, French, German, Latin, mathematics, music appreciation, physics, and Spanish.
10. CLEP. Eastern grants credit for satisfactory scores on the General Examinations and most of the Subject Examinations of the College Level Examination Program.

II. A. **Applications for Admission** — Applications for admission to Eastern Kentucky University cannot be unconditionally approved until transcripts of credits are filed in the Admissions office. As soon as possible after an Application for Admission and a transcript of credits are received, the candidate will be notified whether he is accepted.

It is the responsibility of the applicant to have the following items sent to the Admissions office prior to the opening date of a term:

1. An application for admission completed by the applicant should be made upon a regulation blank furnished by the office of Admissions.
2. All entering freshmen must submit scores on the American College Test (ACT). The American College Test should be taken on one of the five national testing dates during the student's senior year in high school. Each student should use the appropriate section of the ACT answer sheet to designate Eastern as a recipient of his scores. A student who fails to designate Eastern as a recipient of his scores at the time he takes the test may do so at a later date by writing the American College Testing Program and paying the late score transmittal fee. If entering freshmen have failed to take the ACT, they must take the ACT at designated times. This may delay their registration process.
3. A transcript of the secondary school credit, issued after graduation, should be mailed by the principal directly to the Director of Admissions.
4. An official transcript of any college or university credits and a statement of honorable dismissal, regardless of whether the student received credit for the work, should be mailed directly to Director of Admissions, Eastern Kentucky University, Richmond, Kentucky 40475-0931.

B. Admission to graduate study is a process distinct from admission to an undergraduate program. Persons interested in graduate matriculation including Eastern Kentucky University alumni, should make application to Dean, the Graduate School, Eastern Kentucky University. *Two* official transcripts of credits not earned at Eastern Kentucky University should be mailed to the Graduate School to support application for admission.

ACADEMIC PROGRAMS

The following programs are registered with the Kentucky Council on Higher Education in Frankfort, Kentucky. Many of these programs incorporate approved options which may provide a background tailored for individual student needs. At the undergraduate level, these options are presented with the program descriptions in this Catalog. Options at the graduate level are found in the Graduate Catalog. Joint doctoral programs are offered in cooperation with the University of Kentucky.

Majors	Degrees
Accounting	BBA
Administrative Office Services	AA
Agricultural Mechanization	AS
Agriculture, Technical	BS
Anthropology	BA
Art	BA, BFA
Beef Herd Management	AS
Biological Sciences	BS, MS
Broadcasting	BA
Broadcast Engineering Technology	AS
Business Administration	BBA, MBA
Business Education	BS
Business and Industrial Security	AA
Chemical Technology	AS
Chemistry	BS, BA, MS
Child Care	AS
Clothing Construction and Design	BS
Clothing and Textiles	BS
Coal Mining Administration	BBA
Communication Disorders	BS, MA in Ed
Community Health	BS
Community Nutrition	MS
Computer Electronics Technology	AS
Computer Information Systems	BBA
Computer Science	BS
Construction Technology	BS
Corrections	AA, BS
Corrections-Juvenile	AA
Criminalistics	AA
Criminal Justice	MS
Dairy Herd Management	AS
Drafting and Design Technology	AS
Earth Science	BS
Economics	BA, BBA
Educational Administration and Supervision	EdS
Elementary Education	BS, MA in Ed, EdS
Emergency Medical Care	AS, Cert.
Energy and Electrical Power Technology	AS
English	BA, MA
Environmental Health	BS
Environmental Resources	BS
Family Relations and Child Development	BS
Fashion Merchandising	BS
Finance	BBA
Fire Prevention and Control	AA, BS, Cert.
Fisheries Management	BS
Floriculture and Floristry	AS
Foods and Nutrition	BS
Food Service Administration	BS
Forensic Science	BS
French	BA, MA
Geography	BA, MA
Geological Engineering Technology	AS
Geology	BA, BS, MS
German	BA
Guidance and Counseling	MA, MA in Ed, EdS

Health Care Administration ..... BBA
Health Education (School) ..... BS
Health Record Technology ..... AS
Hearing Impaired ..... BS
History ..... BA, MA
Homemaking Supervision ..... AS
Home Economics—General ..... BS
Home Economics Education ..... BS
Horticulture, Technical ..... BS
Ibero-American Studies ..... BA
Individualized Studies ..... BIS
Industrial Arts Education
(Teaching-Vocational) ..... AS, BS, MS, TechS
Industrial Community Counseling ..... MA
Industrial Electronics Technology ..... AS
Industrial Technology ..... BS, MS
Insurance ..... BBA
Interior Design ..... AA, BS
Joint Doctoral in Administration and Supervision* ..... EdD
Joint Doctoral in Biological Sciences* ..... PhD
Joint Doctoral in Criminal Justice Education* ..... EdD
Joint Doctoral in Curriculum and Instruction* ..... EdD
Joint Doctoral in Education, Psychology, and
Counseling* ..... EdD
Joint Doctoral in Higher and Adult Education* ..... EdD
Joint Doctoral in Social and Philos. Studies* ..... EdD
Joint Doctoral in Special Education* ..... EdD
Joint Doctoral in Vocational Education* ..... EdD
Journalism ..... BA
Library Science ..... MA in Ed
Management ..... BBA
Manual Arts Therapy ..... BS
Marketing ..... BBA
Mathematical Sciences ..... BS, MS
Medical Assisting Technology ..... AS
Medical Laboratory Technician ..... AA
Medical Record Administration ..... BS
Medical Technology ..... BS
Microbiology ..... BS
Military Science ..... Commission
Music Education ..... BME, MME
Music ..... BA, BM, MM
Music Merchandising ..... BA
Nursing ..... ASN, BSN
Nutrition Care ..... AS
Occupational Therapy ..... BS
Office Administration ..... BBA
Ornamental Horticulture ..... AS
Paralegal Studies/Science ..... AA, BA
Performing Arts ..... BFA
Philosophy ..... BA
Physical Education ..... BS, MS, EdS
Physics ..... BS, MS
Planning and Development ..... BA
Police Administration ..... AA, BS
Political Science ..... BA, MA
Pre-Allied Health ..... (Transfer Program)
Pre-Engineering ..... (Transfer Program)
Pre-Forestry ..... (Transfer Program)
Pre-Optometry ..... (Transfer Program)
Pre-Pharmacy ..... (Transfer Program)
Pre-Veterinary Medicine ..... (Transfer Program)
Printing Technology ..... AS
Public Administration ..... MPA
Public Relations ..... BA
Psychology ..... BS, MA, MS
Quality Assurance ..... AS
Real Estate ..... BBA
Recreation and Park Administration ..... BS, MS
Recreation and Park Leadership ..... AS
Rehabilitation Education ..... BS
Religion ..... BA
Russian ..... BA
School Psychology ..... MS
School Psychometry ..... MA in Ed
Science for Engineering (Pre-Engineering) ..... AS
Secondary Education (25 Discipline Options) ..... MA in Ed
Secretarial ..... AA
Security and Safety ..... BS
Social Work ..... BSW
Sociology ..... BA, MA
Spanish ..... BA, MA
Special Education ..... BS, MA in Ed, EdS
Speech ..... BA
Speech Communication and Human Relations ..... BA
Statistics ..... BS
Student Personnel Services (Higher Education) ..... MA, EdS
Theatre Arts ..... BA
Transportation and Physical Distribution
Management ..... BBA
Transportation Systems ..... BA
Turf Management ..... AS
Wildlife Management ..... BS
Wood Technology ..... AS

*Degree awarded by U.K.

Minors

Eastern Kentucky University offers minors in a number of fields. Certain minors are restricted as teaching or non-teaching. Students selecting a minor (not all majors require or provide for a minor) should refer to the appropriate departmental sections of the Catalog for detailed descriptions of course requirements for minors. The following minors are offered, some offering options or areas of specialization:

Agriculture
Anthropology
Applied Statistics
Art
Biology
Broadcasting
Business
Business and Industrial Security
Chemistry
Community Health
Computer Information Systems
Computer Science
Correctional Services
Dance
Earth Science
Economics
Emergency Medical Care
English
Environmental Health Science
Film
Fire Prevention and Control
French
Geography
Geology
German
Health
History
Home Economics
Humanities
Industrial Technology
Journalism
Library Science
Mathematical Sciences
Mathematics
Military Science
Music
Office Administration
Philosophy
Physical Education
Physics
Planning and Development
Police Administration
Political Science
Psychology
Public Relations
Recreation and Park Administration
Rehabilitation Education
Religion
Russian
School Health
Secretarial
Security
Social Welfare
Sociology
Soils
Special Education
Spanish
Speech
Speech Communication and Human Relations
Theatre Arts
Traffic Safety
Transportation Systems

Endorsements

The following programs leading to special endorsements are offered.

UNDERGRADUATE

Elementary Education
Kindergarten
School Media Librarian

Secondary Education
Driver Education
School Media Librarian
Physical Education
Elementary Physical Education
Athletic Coaching
Athletic Training

GRADUATE

Counseling
Director of Public Personnel
School Psychometry

School Administration
Elementary Principalship
School Business Administration
Secondary Principalship
Superintendency
Supervision of Instruction

Reading Specialist (Elementary or Secondary)

PRE-PROFESSIONAL CURRICULA

Pre-Engineering 134
Pre-Forestry 134
Pre-Medical and Pre-Dentistry 135
Pre-Optometry 134
Pre-Pharmacy 135
Pre-Allied Health 31
Pre-Veterinary 49, 135

Pre-Law Curriculum

Prospective law students should keep in mind that a broadly based liberal education will best equip one to study law. Thus, no fixed pre-law curriculum is prescribed. A special committee of the American Bar Association recommends that pre-law students take courses in written and speech communications, accounting, economics, psychology, and historical and contemporary social and political processes.

Regardless of one's chosen major, the following abilities are absolutely essential in the study of law: to read critically, to think logically, and to write and speak effectively.

Admission to an accredited law school is dependent upon a good undergraduate record with an earned baccalaureate degree and a competitive score on the Law School Admission Test.

Pre-Law Advisor

Students interested in going to law school or exploring the possibility should see the pre-law advisor as early in their academic career as possible. The pre-law advisor can guide the student in selecting courses consistent with the above suggestions plus provide valuable information on law schools, the Law School Admission Test, and typical admissions procedures. The pre-law advisor is located in the Department of Political Science.

Other Pre-Professional Curricula

In addition to standard four-year pre-professional curricula, Eastern may approve specially arranged combined curricula. In these curricula, the student completes three years as outlined at Eastern to meet basic requirements and then transfers a year of successful work from a highly rated professional school in order to secure a B.S. or A.B. degree from Eastern Kentucky University. This plan may shorten by one year the time needed for obtaining both a baccalaureate and a professional degree.

UNDERGRADUATE ACADEMIC REQUIREMENTS

Undergraduate degree requirements include those in major programs and others set by the University. The former vary widely while the latter are much more uniform. Advising and administration of all requirements are responsibilities of the academic departments and the colleges, under the coordination and supervision of the Office of Undergraduate Studies. Special attention should be given to the following major presentations: the basic Baccalaureate Degree requirements which include the General Education and the Restricted Elective requirements, the Associate Degree requirements and their General Education and the Restricted Elective components, and the basic program and advising of the "Undeclared" Students.

BACCALAUREATE DEGREE REQUIREMENTS

Comprehensive Requirements

1. Completion of all course requirements in the degree program as approved by the college dean.
2. Completion of University academic requirements, including restrictive electives and general education, as shown with the major programs.
3. Completion of 128 semester credit hours, with at least 43 hours at the 300 level or above.
4. A minimum grade point average of 2.0 on all work taken at Eastern.
5. A minimum of 32 semester hours earned at Eastern.
6. At least 30 of the last 36 hours must be earned at Eastern.
7. Credits more than eight years old may not be applied toward undergraduate degree requirements.
8. To be eligible for a second baccalaureate degree the student must meet all requirements for the second degree sought. Beyond the requirements for the first degree, a student must complete a minimum of 32 credit hours in residence with an average of at least 2.0.

GENERAL EDUCATION REQUIREMENTS

General Education requirements include courses which are not necessarily related to the major and which are designed to help the student develop as an educated person and as a citizen. In addition to taking an Orientation Course and eight hours of Restricted Electives as outlined in category 20, students are required to take 46 hours of General Education, although parts of these standard requirements may be waived if they are met by major programs as indicated in the department curricula of the sponsoring colleges.

The required 46 hours of general education, divided into Five Areas with their sub-requirements and course options, are described below. Nine hours must be completed in each of the first four areas, and three additional hours must be completed in two of these four areas. The fifth area requires four semester hours.

For correlation with student record computer printouts, General Education category requirements are numbered 01 to 19, with 20 identifying Restricted Electives.

Immediately following the Standard General Education program outline below is an amplification of each of the major areas.

STANDARD GENERAL EDUCATION PROGRAM OUTLINE

	Category	Course/Content	Credit Hours
	—	Orientation Course	1
Area I Symbolics	01	ENG 101 or 105	3
	02	ENG 102	3
	03	Symbolics Elective(s)	3
	04*	Symbolics Elective(s)	3
Area II Humanities	05	ENG 211/GSH 226+	3
	06	ENG 212/GSH 228+	3
	07	Humanities Creativity Elective	3
	08*	Humanities Elective(s)	3

	Category	Course/Content	Credit Hours
Area III Social Science	09	Social Science Principles Elective	3
	10	Social Science Historical Elective	3
	11	Social Science Historical Elective	3
	12*	Social Science Problems Elective(s)	3
Area IV Natural Science	13	Biological Laboratory Science	3
	14	Physical Laboratory Science	3
	15	Natural Science Elective(s)	3
	16*	Natural Science Elective(s)	3
Area V Health/P.E.	17	HPR 180	1
	18	HPR 181	1
	19	HEA 281	2
Restricted Electives	20	Restricted Electives (To be met by MIL 101, 102, 202, and 203, or by electives to be chosen outside the student's major field of study.)	8

*Two of these four categories must be included in each standard general education program.
+ See amplification below for prerequisites.

Area I. Symbolics of Information — nine to 12 semester hours.

01/02. English Composition. Six semester hours are required. New freshman students and transfer students who have not completed the requirement must enroll in an English Composition course until the requirement is met. The requirement may be met by:

01. ENG 101 (three semester hours)

02. ENG 102 (three semester hours)
The requirement may also be met in an Honors program.

02. ENG 105 (three semester hours) If a student earns a "C" or better in ENG 105, he is awarded three semester hours for ENG 105, and an additional three semester hours are awarded in category 01.

03. Three semester hours in a course or courses selected from the following:
- CIS 212 (three semester hours)
- CSC 171 (one semester hour), 102, 174, or 180 (each three semester hours).
- FLS 300 (three semester hours)
- FRE 101, 102, 201, 202, 204, or 240 (each three semester hours)
- GER 101, 102, 201, 202, or 206 (each three semester hours)
- GRE 101 or 102 (each three semester hours)
- GSL 115 (one semester hour), 112, or 201 (each three semester hours). Only three semester hours of GSL course work may count toward General Education credit in Area I.
- ITA 101, 102, 201, or 202 (each three semester hours)
- LAT 101, 102, 201, or 202 (each three semester hours)
- MAT 100 or 107 (each three semester hours)
- OAD 301 (three semester hours)
- PHI 100 (three semester hours)
- POR 501 or 502 (each three semester hours)
- RUS 101, 102, 201, 202, or 206 (each three semester hours)
- SPA 101, 102, 201, 202, 206, or 215 (each three semester hours)
- SPE 100, 205, 300, or 350 (each three semester hours). Only one of SPE 300 or 350 may be used to meet requirements in the Symbolics of Information category.
- STA 208, 209 (each one semester hour), or 210 (two semester hours).

04. If 12 semester hours are completed in Symbolics of Information, three semester hours are to be selected from the preceding courses. Only one of SPE 300 or 350 may be used to meet requirements in the Symbolics of Information category.

Area II. Humanities — nine to 12 semester hours.

05. Three semester hours in a course selected from the following:
- ENG 211 (Prerequisite: six hours English Composition)
- GSH 226 (Prerequisite: GSH 124)

06. Three semester hours in a course selected from the following:
- ENG 212 (Prerequisite: six hours English Composition)
- GSH 228 (Prerequisite: GSH 124)

07. Three semester hours in a course selected from the following:
- ART 200, 390, or 391 (each three semester hours)
- FCC 220, 221, 222, 224, 225, 226 (each three semester hours)
- GSH 124 (three semester hours)
- GSH 300 (three semester hours); (Prerequisite: six hours Area II)
- HIS 298 or 299 (each three semester hours)
- MUS 271, 272, 371, or 372 (each three semester hours)
- PHE 200 (three semester hours)
- PHI 110, 130, 200, 220, 240, or 340 (each three semester hours)
- REL 301 (three semester hours)
- THE 100, 390, or 391 (each three semester hours)

08. If 12 semester hours are completed in Humanities, the additional three semester hours may be selected from category 07 or from the following:
- CAH 315 (three semester hours)
- COM 350 or 351 (each three semester hours)
- MUS 273 (three semester hours)

Area III. Social Science — nine to 12 semester hours.

09. Three semester hours* in a course selected from the following:
- ANT 120 (three semester hours)
- ECO 120 (three semester hours)
- GEO 101 (three semester hours)
- GSS 142 (three semester hours)
- POL 100 (three semester hours)
- SOC 131 (three semester hours)

*This requirement may also be met by completion of both ECO 230 and 231. Completion of both courses will also meet the requirement under Social Science, category 12.

10. Three semester hours in a course selected from the following:
- ANT 210 (three semester hours)
- GEO 201 (three semester hours)
- GSS 246 (three semester hours)
- HIS 202 (three semester hours)
- HIS 231 (three semester hours)
- POL 210 (three semester hours)

11. Three semester hours in a course selected from the following:
- ANT 211 (three semester hours)
- GEO 202 (three semester hours)
- GSS 247 (three semester hours)
- HIS 203 (three semester hours)

HIS 232 (three semester hours)
POL 211 (three semester hours)

12. If 12 semester hours are completed in Social Science, the additional three semester hours* are to be selected from the following:

Area IV. Natural Science — nine to 12 semester hours. A student must complete (in either order) at least three semester hours in a biological science laboratory course selected from category 13 and three semester hours in a physical science laboratory course selected from category 14. In meeting either of the additional three or six hour natural science requirements, the student may select additional courses from categories 13, 14 or 15/16 or any appropriate natural science course offered by the College of Natural and Mathematical Sciences.*

13. Biological Laboratory Science
BIO 161, 162, or 171 (each three semester hours)
BIO 131 or 141 (each four semester hours)
BIO 301 and 378 (both must be taken for a total of four semester hours)

14. Physical Laboratory Science
AST 135 (one semester hour)
CHE 101, 105, or 111 (each four semester hours)
GEO 210 (four semester hours)
GLY 108 or 109 (each three semester hours)
NAT 171 or 172 (each three semester hours)
PHY 101 or 131 (each three semester hours)
PHY 201 (five semester hours)

15/16. Select a minimum of one course from either group below or additional courses referred to in the general statement above. It is recommended that a category 15/16 course be preceded by both category 13 and 14 courses.

Selected aspects of science:
ANT 201, 206, or 380 (each three semester hours)
AST 130 or 330 (each three semester hours)
BIO 300, 301, 302, 303, 304, 317, or 399 (each three semester hours)
CNM 315 (three semester hours)
GEO 215 (three semester hours)
GLY 104, 107, or 302 (each three semester hours)
NAT 173, 262, or 263 (each three semester hours)
PHY 105 (three semester hours)

Science in its social context:
BIO 399 (three semester hours)
CNM 315 (three semester hours)
CHE 100 (three semester hours)
GLY 390 (three semester hours)
NAT 280 or 300 (each three semester hours)
PHY 110 (three semester hours)
SCI 310 (three semester hours)

*Only one course may be taken for General Education credit from each of the following groups:
BIO 161, 162, and NAT 101
NAT 171 and PHY 101
ANT 201, 206, and 380
GEO 210 and 215
BIO 302 and 303
AST 130 and 135
GLY 107 and 108
NAT 172 and 173
NAT 262 and 263.

Area V. Physical Education and Health — four semester hours. New freshmen and transfer students who have not met physical education requirements must enroll in HPR 180 or 181 at each registration until the requirement is met.

17. HPR 180 (one semester hour)
18. HPR 181 (one semester hour)
19. HEA 281 (two semester hours)

RESTRICTED ELECTIVE REQUIREMENT

20. An eight-semester-hour block of electives is to be completed for graduation. This requirement is to be met by Military Science 101, 102, 202, and 203 or by electives to be chosen outside the student's major field of study. These electives may not be used to meet specified University General Education requirements.

Lower Division Requirements — The following courses or their equivalencies are to be completed during the first 60 semester hours earned by the student.

ORIENTATION 100 —
01/02 ENG 101 and 102 or 105 (six semester hours)
17/18 HPR 180 and 181 (two semester hours)

In addition, a student in consultation with his advisor should try to complete nearly 50 percent of his General Education program during these first 60 hours.

Upper Division Planned Curricula — Students who have selected a major program are expected to complete a planned curriculum with their advisor as soon as they have completed their first 60 hours of coursework.

DOUBLE MAJOR

A student pursuing a baccalaureate degree may pursue a double major which, when completed, will be properly recorded on the official transcript. Students wishing to work for a double major should contact the Dean of Undergraduate Studies for clarification regarding the special provisions and conditions of this type of combined program.

ASSOCIATE DEGREE REQUIREMENTS

Comprehensive Requirements

1. Completion of all course requirements in the degree program as approved by the college dean.
2. Completion of University academic requirements, including restricted electives and general education, as shown in the major programs.
3. Minimum of 64 semester credit hours.
4. Minimum grade point average of 2.0 on all work taken at Eastern.
5. Minimum of 16 semester hours must be earned at Eastern.
6. Minimum of 15 of the last 18 hours must be earned at Eastern.
7. Credits more than eight years old may not be applied toward associate degree requirements unless validated by the college dean.

GENERAL EDUCATION REQUIREMENTS

A minimum of 16 hours in courses approved for General Education are required for all associate degree programs. These hours must include ENG 101 and ENG 102 or their equivalent, plus 10 additional hours. The 16 hours must represent courses from at least three of the five General Education areas (Areas I, II, III, IV, and V), with no more than nine hours from any one area. In addition, an orientation course and four hours of restricted electives are required.

RESTRICTED ELECTIVE REQUIREMENTS

The associate degree requires completion of one-half of the restricted electives (four semester hours) as noted under the baccalaureate degree.

UNDECLARED STUDENTS

The *Office of Undergraduate Studies* is directly responsible for advising lower division students who have not yet decided upon a major. Students in this "undeclared" category should normally elect a major before entering their fourth semester in the University. Their curriculum for the first three semesters includes courses in the following categories:

01/02. ENG 101 and 102 or 105 (six semester hours)
17/18. HPR 180 and 181 (two semester hours)
19. HEA 281 (two semester hours)
10/11. Six semester hours of general education Social Science
13-16. Six semester hours of general education laboratory science, nine additional semester hours of general educa-

tion, and

GSO 100 Academic Orientation. (1) I.
Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, catalog details, and various career opportunities and program requirements. Not open to students with more than 30 semester hours.

ACADEMIC REGULATIONS

Catalog Applicable — A student will be governed by the Catalog in force during the school year in which he enters unless he interrupts his resident status at this institution for more than one calendar year, in which case he comes under the requirements of the Catalog in force at the time of readmission. However, a student may elect to comply with the catalog currently in force.

Classification of Students — Students shall be classified as indicated below upon completion of the respective number of hours, provided that the student has removed all entrance conditions:

Freshman — Entrance requirements
Sophomore — 30 semester hours
Junior — 60 semester hours
Senior — 90 semester hours

When students attain Upper Division status (60 semester hours or more) and have decided upon a major, they are expected to see their advisor to execute a planned curriculum during the early part of the first semester after completing the 60-hour requirement.

Grading System — Grades are indicated by letters, to each of which is given a certain value in "grade points." The following is the interpretation placed upon the grading system:

Grade	Meaning	Grade Points Per Semester Hour	Grade	Meaning	Grade Points Per Semester Hour
A	Excellent	4	S	Passing	0
B	Good	3	U	Failure	0
C	Average	2	W	Withdrew	0
D	Poor	1	WP	Withdrew passing	0
F	Failure	0	WF	Withdrew failing	0
I	Incomplete	0	CR	Credit only	0
IP	In Progress	0			

A grade of "D" gives credit toward a certificate or a degree if with such credits the student's standing is 2.0 or more. A grade of "I" shall be assigned if in the opinion of the instructor the student has been unable to complete the course on time because of unavoidable conditions. An "I" must be made complete within one month after the student reenters the University. Otherwise, a grade of "F" is assigned. If the student fails to reenter the University within one year, an "I" becomes "F". Students who have received such a final grade will have to repeat the course in order to gain credit.

A grade of "IP" has been approved for administrative purposes, where applicable, and for special designated courses wherein completion of the course requirements might logically extend beyond a given semester's timeframe.

A student's grade point average is obtained by dividing the total number of points earned by the total number of semester hours attempted, exclusive of courses when "S" or "U" grades are assigned. Courses in which the marks are "CR", "W", or "WP" are recorded but are not figured in computing the point average. To fulfill the requirements for a certificate or a degree, a student must offer a number of "grade points" at least twice as great as the number of semester hours attempted.

Pass-Fail ("S"-"U") Option — The Pass-Fail option is made available to encourage students to take courses they might otherwise avoid because of lack of background or concern for lowering grade point standings:

1. Students who have earned 30 or more semester hours of credit with a minimum grade point average of 2.0 may choose the Pass-Fail ("S"-"U") option for a total of 15 hours of free electives. Courses taken under the Pass-Fail option must be exclusive of general education, major, minor, and other course requirements for graduation. Eligible courses must belong to the exclusive category, free electives. Hours attempted under the Pass-Fail option will not be used in the computation of grade-point averages.
2. Students may choose the Pass-Fail option for no more than one course with a maximum of five credit hours per semester.
3. Students may choose the Pass-Fail option or make a change from the Pass-Fail option to the usual grading procedure only during preregistration, registration, or up to the last date given in each semester's schedule when courses may be dropped without a grade.
4. Students may choose the Pass-Fail option for free electives as indicated above, but the instructors for these courses will not be informed when students in their classes are under the Pass-Fail option. Instructors for all classes will turn in, as usual, the designated end-of-course grades, and the Registrar will convert the assigned letter grade to an "S" or "U" grade, as applicable.

Repeating Courses — The following regulations apply to repeated courses:

1. The credits attempted and quality points earned will be counted only for the last taking of the repeated course, except that a failed repeated course will not decrease total hours attempted. When quality points are earned, all previous attempts of the repeated course will be dropped from the calculation of the grade point average.
2. The grade which is counted in a course that has been repeated is the last passing grade awarded, regardless of whether it was higher or lower.
3. A student may enroll in the same course for a third, or subsequent, time only under unusual circumstances and with the written permission of the dean of his college. Special repeat procedures are in effect in some colleges and departments. See appropriate sections of this Catalog.
4. Courses failed at Eastern may be repeated elsewhere for equivalent credit, but such repeats do not affect the Eastern grade point average.

Minimum Scholastic Standards for Baccalaureate and Associate Degree Programs — A student will be placed on Academic Warning, Academic Probation, or be Suspended or Dismissed, depending upon the degree to which the student departs from acceptable academic performance.

Academic Warning — Applies to all students when they fall below a cumulative grade point average of 2.0. They and their advisors will be so notified, and a student in this status can (1) *not* serve as an officer or committee member in any campus organization, (2) *not* carry more than 16 semester hours during any fall or spring semester, or (3) *not* carry more than six semester hours during any summer session.

Academic Probation — Applied to all students whose cumulative grade point average falls below the values indicated below. The advisors will be so notified, and these students can (1) *not* serve as an officer or committee member in any campus organization, (2) *not* carry more than 14 semester hours during any fall or spring semester, or (3) *not* carry more than six semester hours during any summer session. It is important to note that the student will be continued on Academic Probation for one semester at a time, but during that semester in which he is first placed on Academic Probation, the student must obtain an overall grade point average above the Academic Probation level or earn a minimum of a 2.2 grade point average as a full-time student.

Cumulative Hours Attempted	*Cumulative GPA*
1-16	1.2
17-32	1.4
33-48	1.5
49-64	1.6
65-80	1.7
81-96	1.8
97-112	1.9
112-	2.0

Normal Suspension — Students will be suspended from the University for one semester if they do not satisfy the conditions of Academic Probation as noted. Immediate readmission may *only* be considered by the Admissions Committee when failure to achieve the conditions is a direct result of a catastrophic event. The chair of the Admissions Committee, or the designee, will present only these types of petitions to the Admissions Committee. Those petitions which do not qualify under these guidelines will be denied administratively by this person without going to the Admissions Committee.

First Semester Suspension — Full-time freshmen students who fall below a grade point average of 0.75 during their first semester of work will be immediately suspended from the University without going through the Academic Probation noted above. The chair of the Admissions Committee, or the designee, will review petitions of all first-semester students upon receipt and determine which students fall below a 0.75 as a result of a catastrophic event. Those students who fall within this category will be notified of their special readmittance.

Dismissal — A student deserving suspension for a second time will be dismissed from the University for one year. Readmission after a second dismissal is not normally possible.

Special Admissions — Eastern students who have been suspended or dismissed may enroll in a single course on a part-time basis during regular semesters and intersessions, or six semester hours during summer sessions in an attempt to bring their grade point average above the Academic Probation level. Readmission to the University would be based upon achieving an overall grade point average above the Academic Probation level or meeting the guidelines noted under suspension or dismissal.

A student who has been out of college for at least 12 months, who has been pursuing a baccalaureate program, and who wishes to reenroll in an associate degree program may be permitted to reenroll with the provision that grades for previous courses not applicable to the associate degree requirements will not be considered in determining his grade point average. If the student subsequently is permitted to enter a baccalaureate program, grades in all courses attempted will be included in the computation of the grade point average for the baccalaureate degree program.

Student Load — The normal semester load for undergraduate students is 16 credit hours. The minimum load to be a full-time student is 12 credit hours. A student who has established superior records may be permitted to enroll for more than 18 hours by the dean of the college in which he is majoring. The maximum load is 21 hours.

Six to nine semester hours is considered a normal load for a summer session, less than six being a part-time load and more than ten not permitted. An academic dean's approval of a 10-semester-hour load is required.

Three semester hours constitutes the load for the spring intersession, with a four-hour maximum permitted with approval.

The above limitations apply to all enrollments, or combinations of enrollments such as campus classes, extended campus classes, and/or enrollments at other institutions engaged in by the student for the term specified. Credit(s) beyond these maximums specified and approved *will not* be recorded by Eastern Kentucky University. A correspondence course taken while in residence is not counted as a part of the student's load.

Auditing a Course — A course may be audited — taken without credit — with the permission of the instructor and the dean of the college involved. Registration procedures and fees are the same as for courses taken for credit. Students who are enrolled for Audit must comply with the attendance policy of the instructor or no course entry will be made on the academic record of the student.

Credit by Examination — To recognize competence attained through educational experiences other than university instruction, it is possible to earn academic credit by examination in certain undergraduate courses designated by the department. Conditions which apply to credit by examination are:

1. Only admitted undergraduate students are eligible for credit by examination.
2. Credit earned by examination is recorded without a letter grade; hence, it has no effect upon overall grade point average.
3. A student may attempt to earn credit by examination in a particular course only once.
4. Credit may not be earned by examination in a course which has been failed without the approval of the dean of the college offering the course.
5. Special fees are assessed for credit by examination and must be paid prior to taking an examination.

Schedule Changes — Changes in schedule which involve adding courses must be accomplished before the end of the first week of classes in a semester or within the first three days of classes in a summer session. Such changes must be approved by the advisor and the dean of the student's college.

With the advisor's approval, a course can be dropped either with or without a grade dependent upon when the class is dropped during the semester. The policy governing the conditions under which a student may drop a course without a grade are clearly spelled out in the Schedule of Classes bulletin for the appropriate semester.

If a student stops attending a class without officially withdrawing, he is subject to being assigned a grade of "F".

Withdrawal from the University — Students who find it necessary to leave the University during a semester under any circumstances must visit the Office of the Dean of Students and secure an Official Withdrawal card. This card must be carried by the student to several campus offices where records must be cleared. *Unless the student follows this procedure, the permanent records in the Registrar's Office are incomplete. Therefore, students receive grades of "F" for the semester's work and will not be eligible for readmission.* Students failing to complete a Withdrawal Card within 15 days will receive an unofficial withdrawal.

Class Attendance — Regular class attendance is expected of all students. Each instructor is responsible for recording absences and for dealing with them in a manner consistent with departmental policy for that course. Since attendance policies vary among departments and for courses within departments, it is essential that students be familiar with the policy announced by each instructor.

A student who presents the instructor with an adequate and documented reason for an absence normally will be given an opportunity to make up the work missed, if this is feasible. Adequate reasons involve circumstances beyond the student's control, such as personal illness, critical illness or death in the immediate family or participation in an approved University activity. The responsibility for initiating the request to make up class work missed is vested in the student.

Correspondence Credit — Up to 32 semester hours of credit may be earned through correspondence courses for a

baccalaureate degree and 16 semester hours for an associate degree. A student who wishes to apply correspondence credit toward graduation requirements must meet all course requirements, including the final examination, by the following dates: December graduates by November 1, May graduates by March 1, and August graduates by July 1.

GRADUATION — GENERAL

Application for Graduation — Students completing requirements for graduation in December should apply before the end of the preceding April; May and August graduates should apply by the end of the preceding October.

Appropriate ceremonies are held at the close of the fall and spring semesters and the summer sesison. Students who are candidates for degrees are expected to participate in the ceremony.

Students who complete degree programs in December participate in the May commencement exercises. However, they will be mailed their diplomas at the close of the fall semester. A reception is held in early December in honor of those completing degree programs during the fall semester.

HONORS FOR BACCALAUREATE DEGREE GRADUATES

1. Students are graduated "With High Distinction" who attain a grade point average of 3.7 or higher on the last 64 hours attempted at Eastern.
   Students are graduated "With Distinction" who attain a grade point average of 3.5 but less than 3.7 on the last 64 hours attempted at Eastern.
   All courses and grades in the semester in which 64 hours are reached will be used in computing grade point averages for the purpose of honors recognition.
2. Students with less than 64 semester hours but at least 48 semester hours completed at Eastern may qualify for graduation "With High Distinction" and "With Distinction" by achieving a grade point average of not less than 3.8 and 3.6 but less than 3.8, respectively, on the last 48 semester hours attempted at Eastern.
   All courses and grades in the semester in which 48 hours are reached will be used in computing grade point averages for the purpose of honors recognition.

HONORS FOR ASSOCIATE DEGREE GRADUATES

1. Students are graduated "With High Distinction" who attain a grade point average of 3.7 or higher on the last 32 semester hours attempted at Eastern.
   Students are graduated "With Distinction" who attain a grade point average of 3.5 but less than 3.7 on the last 32 semester hours attempted at Eastern.
   All courses and grades in the semester in which 32 hours are reached will be used in computing grade point averages for the purpose of honors recognition.
2. Students with less than 32 semester hours but at least 24 hours completed at Eastern may qualify for graduation "With High Distinction" and "With Distinction" by achieving grade point averages of not less than 3.8 and 3.6 but less than 3.8, respectively, on the last 24 semester hours attempted at Eastern. All courses and grades in the semester in which 24 semester hours are reached will be used in computing grade point averages for the purpose of honors recognition.

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COURSE PREFIXES

GSO 100 Academic Orientation — Office of Undergraduate Studies
AHO 100 Academic Orientation — College of Arts and Humanities
ANO 100 Academic Orientation — College of Allied Health and Nursing
ATO 100 Academic Orientation — College of Applied Arts and Technology
CBO 100 Academic Orientation — College of Business
CHO 100 Academic Orientation — College of Health, Physical Education, Recreation & Athletics
CSO 100 Academic Orientation — College of Social & Behavioral Sciences
EDO 100 Academic Orientation — College of Education
LEO 100 Academic Orientation — College of Law Enforcement
NMO 100 Academic Orientation — College of Natural & Mathematical Sciences

ACC—Accounting
AGR—Agriculture
AHN—Allied Health & Nursing
ANT—Anthropology
ART—Art
AST—Astronomy
BED—Business Education
BIO—Biology
CAH—Arts and Humanities
CIS—Computer Information Systems (formerly EDP)
CDF—Child Development and the Family
CHE—Chemistry
CLS—Clinical Laboratory Science (Medical Technology)
CMA—Coal Mining Administration
CNM—Natural and Mathematical Sciences
COM—Communication
CON—Constructon Technology
COR—Correctional Services
CRJ—Criminal Justice
CSB—Social and Behavioral Sciences
CSC—Computer Science
EAD—Educational Administration
EAE—Adult Education
ECO—Economics
EDF—Educational Foundations
EDP—Electronic Data Processing (see CIS)
EHE—Higher Education
EHS—Environmental Health Science
ELE—Elementary Education
EMC—Emergency Medical Care
ENG—English
EPC—Counseling
EPY—Educational Psychology
ESE—Secondary Education
FCC—Foreign Culture and Civilization
FIN—Finance
FLS—Foreign Language Studies
FNP—Family Nurse Practitioner
FOR—Forensic Science
FPC—Fire Prevention and Control
FRE—French
GBU—General Business
GEO—Geography
GER—German
GLY—Geology
GRE—Greek
GCC—College Colloquium
GCS—Career Counseling
GSH—Humanities
GSL—Learning Skills
GSS—Social Science
HEA—Health
HEC—Home Economics
HIS—History
HPR—General Physical Education and Lifetime Activities
HRS—Health Record Science
HUM—Humanities
IDH—Interior Design and Housing
INS—Insurance
IET—Industrial Education and Technology
JOU—Journalism
LAS—Paralegal
LAT—Latin
LIB—Library Science
MAR—Marine Science
MAS—Medical Assisting Technology
MAT—Mathematics
MGT—Management
MIL—Military Science
MKT—Marketing
MLT—Medical Laboratory Technician
MUS—Music
NAT—Natural Science
NFA—Nutrition, Foods and Food Administration
NUR—Nursing
OAD—Office Administration
OHO—Ornamental Horticulture
OSH—Occupational Safety & Health Technology
OTS—Occupational Therapy
PAD—Police Administration
PHE—Physical Education
PHI—Philosophy
PHY—Physics
PLA—Planning & Development
POL—Political Science
POR—Portuguese
PSY—Psychology
PUB—Public Relations
REC—Recreation
REL—Religion
RHB—Rehabilitation Education
RST—Real Estate
RTV—Broadcasting
RUS—Russian
SCI—Science
SEC—Security

SED—Special Education
SOC—Sociology
STA—Statistics
SWK—Social Work
SPA—Spanish
SPE—Speech
TCF—Textiles, Clothing, and Fashion
THE—Theatre Arts
TPD—Transportation and Physical Distribution
TRA—Transportation
TRS—Traffic Safety

COURSE NUMBERING

Courses are numbered according to the following plan:
Courses numbered 100 to 199 are primarily for freshmen.
Courses numbered 200 to 299 are primarily for sophomores.
Courses numbered 300 to 399 are primarily for juniors.
Courses numbered 400 to 499 are primarily for seniors.
Courses numbered 500 to 599 are for seniors and gradaute students.
Courses numberd 600 to 699 are for graduate students only.

A student may not take a course numbered more than one year below or above his classification level except with special permission from his advisor and the chair of the department offering the course. To take courses numbered 300 and above in the College of Business, a student must have completed 60 semester hours or equivalent or have permission from the Dean of the College. Additional requirements are placed upon students pursuing a Bachelor of Business Administration degree. See the College of Business section for these requirements.

Special approval must be obtained from the dean of the college offering a 500-level course in order for a junior level student to enroll. Students of less than junior status or unapproved juniors cannot be admitted to a 500-level course and will be disenrolled by the Registrar if such an enrollment occurs.

COURSE DESCRIPTIONS

The semester hours which may be earned by successful completion of the course are indicated in parentheses immediately following the course title, e.g., (3).

I, II, and A used in the description of a course indicates the course will be offered the fall semester, spring semester, and by announcement, respectively.

The description of the course format for courses which include a laboratory experience is found at the end of the course description. A course which consists of three hours of classroom lecture and two hours of laboratory is described as "3 Lec/2 Lab."

THE OFFICE OF UNDERGRADUATE STUDIES

JOSEPH R. SCHWENDEMAN, JR., Dean

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The Office of Undergraduate Studies, in addition to functions outlined in Part One, is responsible for certain academic activities. Through its Department of Learning Skills, it helps students develop study skills through informal tutorial experiences and in structured courses. In addition, the Career Counseling Center offers specialized courses designed to help students select careers as well as function adequately in the University community. The well developed Cooperative Education Program, which serves majors in all colleges, is administered by a director who is responsible to the Office of Undergraduate Studies. The Division of Special Programs for Disadvantaged Students (TRIO) addresses the needs of disadvantaged students and the Upward Bound and Veteran's Upward Bound projects. Finally, included is an office for Foreign Student counseling and advising. Although the Office of Undergraduate Studies does not offer majors, it attempts to foster an intellectual atmosphere through its relationship with the General Education program.

DEPARTMENT OF

LEARNING SKILLS

Warming, E., Acting Chair; Algier, Baechtold, Conaway, Culross, Gray, Hall, Libbey, Maclaren.

The Department of Learning Skills, formerly the Academic Counseling and Learning Laboratory, offers instruction in reading and study skills, basic instruction for speakers of English as a Second Language, and refresher courses for students who have been away from formal learning situtations for a period of time or who need to develop basic skills before entering advanced courses.

Academic assistance, offered through individual and small group tutorials, is a service available to students.

Course Descriptions

GSL — Learning Skills

090 Developmental Reading. (3) I, II. Classroom Instruction, discussion, and learning activities designed to develop comprehension

GSL—Learning Skills

and vocabulary skills necessary for college reading. Supplementary individualized laboratory work emphasizes skill development and practice. Institutional credit when exit level attained. Enrollment by referral.

112 College Reading/Study Skills. (3) I, II. Emphasizes development of literal and inferential comprehension. Instruction and practice in textbook reading, précis writing, listening, notetaking, vocabulary, test-taking, and the application of learning techniques. Cannot be taken after receiving credit for 115.

115 Rapid Reading/Learning Dynamics. (1) I, II. Seven-week course concentrates on reading comprehension, rate, and dynamics of learning/storage and retrieval of information. May not be taken concurrently with GSL 112.

201 Vocabulary-Symbolics of Information. (3) I, II. Mastery of wide-range college level vocabulary in both receptive and expressive lexicons. Includes practice in using context clues and Greek and Latin elements to unlock meaning. Emphasis on synonyms, antonyms, analogies, and pronunciation.

225 Efficient Reading. (1) I, II. To improve in capable students the ability to process information with flexibility and sophistication through systematic use of higher-level reading skills. Reading varied and challenging materials for speed and comprehension will be emphasized.

002 Refresher Mathematics. (3 equivalent) A. Noncredit review of fundamentals of mathematics, including precollege algebra, fractions, and geometry.

003 Refresher English. (3 equivalent) I, II. Noncredit course for native speakers providing individualized diagnostic-prescriptive instruction in problems of composition and/or the fundamentals of standard English.

004 Language of Basic Science and Mathematics. (3 equivalent) A. Noncredit survey of key concepts and vocabulary in basic science and mathematics. Enrollment limited to international students.

005 Refresher Social Science. (3 equivalent) A. Noncredit. A structural review of the United States, World History and economics, with special emphasis on interpretation of maps and graphs.

006 Basic Communication Skills for International Students. (3-6) I, II. Noncredit, Intensive English language instruction for non-native speakers from zero to pre-college level proficiency. Instruction in English language skills of listening, speaking, reading, writing; American culture and tradition; survival communication skills.

GCS—Interpersonal Skills & Career Counseling

198 Interpersonal Effectiveness Seminar. (1). The course is designed to assist students in gaining confidence in themselves and in relating more effectively with others. Attention is given to assertiveness, values clarification, and effective life management.

199 Career Counseling Seminar. (1). The eight-week course is designed to assist students in making wise career decisions. Course content is designed to develop self-awareness, values clarification, and awareness of career alternatives. Experiences are provided to develop decision-making skills. A strong emphasis is given to exploring the world of work relative to job traits, demands, rewards, and future trends.

SPECIAL PROGRAMS FOR DISADVANTAGED STUDENTS (TRIO)

McCleese, R., Director; Hindman, Kelly, Maki, Riley, Sexton, Underhill.

The following programs are made possible through special grants to Eastern Kentucky University from the United States Department of Health, Education, and Welfare.

Student Special Services Project

A program designed to assist students who, by reason of deprived educational, cultural, or economic background, or physical handicap, are in need of remedial and other special services to initiate or complete their post-secondary educational program. College students are provided counseling, guidance, tutorial assistance or other services indicated by their needs. For information, please write Counselor Coordinator, Student Special Services Project, Division of Special Programs for Disadvantaged Students (TRIO), University Building, Room 5, Eastern Kentucky University, Richmond, Kentucky 40475-0958, or call (606)622-4172 or 2740.

Upward Bound Project

A secondary school program based at Eastern Kentucky University serving 12 counties located near the University. Designed to generate skills and motivation necessary for success in education beyond the high school, this program enrolls students from low-income backgrounds who have inadequate secondary preparation. For information, please write Director, Special Programs for Disadvantaged Students, (TRIO), Begley Building, Room 418, Eastern Kentucky University, Richmond, Kentucky, 40475-0934, or call (606)622-1424 or 1425.

Veterans Upward Bound Project

This is a state-wide program designed to identify veterans of financial, cultural, and academic need who dropped out of high school or require remedial assistance, as determined by the Veteran Administration or Veteran Upward Bound Program. It encourages completion of an academic program leading to a high school equivalency certificate or academic improvement to permit pursuit of post-secondary goals. For information, please write Administrative Coordinator, Veterans Upward Bound Project, Division of Special Programs for Disadvantaged Students (TRIO), Begley Building, Room 418, Eastern Kentucky University, Richmond, Kentucky 40475-0934, or call (606)622-3742 or 3743.

COOPERATIVE EDUCATION

Cooperative education provides the student with an opportunity to blend theory with practice resulting in a balanced education. Learning within the classroom is combined with practical on-the-job training in business, industry, and/or government.

The determination of eligibility for participation in the cooperative education program is primarily a function of the department in which the student is majoring. Prior to enrolling in cooperative education, an incoming student should normally have completed 30 semester hours of credit. Transfer students should have completed one semester at Eastern before applying for cooperative education. All students must have a 2.0 grade point average when applying for cooperative education.

Acceptance of a student into the program is also contingent upon the location of a suitable training site and an agreement with the employer to hire. The employer will be provided with a resume of the students' scholastic, experiential, and personal data, and he will be provided the opportunity to interview each applicant.

A co-op student will normally be employed full-time for a period of one semester following the employer's schedule. When employed for a full semester, the student may earn a maximum of eight academic credits. If schedules can be arranged, a student may work full time for one-half semester and earn four academic credits. If a department uses the parallel track (½ day on campus, ½ day on the job), four academic credits may be earned. During the summer period, cooperative education experience may be arranged for varying amounts of credit. This credit will be arranged by the academic college or department involved. The type of employment and the total hours of employment are determining factors in assigning co-op credit. The University requires a minimum of 80 hours of employment for each semester hour of academic credit. The salary for each position is negotiable but must fall within State and Federal wage guidelines.

Academic credit will be awarded for cooperative education only when the student is enrolled in the University and in the cooperative education program. Credit may not be awarded for past experiences or for anticipated future experiences. A maximum of eight semester hours may be applied toward meeting graduation requirements for the associate degree, and a total of 16 hours toward the bachelor's degree. Cooperative education credit for students pursuing a second undergraduate degree will be determined by the academic department.

The student will be assigned an immediate or field supervisor by the employer to provide directions and coordination on the job. The field supervisor will also be responsible for providing periodic and final evaluation reports on the student and forwarding this information to the co-op director. Copies of these reports will be forwarded to the academic advisor.

Although the employer (field supervisor) will appraise the performance of each student, the grade will be assigned by the department in accordance with established criteria and through a comprehensive evaluation.

To maximize the benefit to the student, it is assumed that the employer will make every attempt to provide the student with a broad exposure of experiences related to the student's goals and the nature of the training site. The student should, however, realize that he is a full-time productive employee. The participating employer, the student, and the University will each sign a letter of agreement spelling out the duties and responsibilities of each party.

The same student will in most instances return to the same location for each cooperative education experience. A student may, however, occassionally be allowed to work for several employers in varying situations as long as the work experience is related to the student's career goals and those of the program. For additional information, contact the Director of Cooperative Education at (606)622-1706.

INTERNATIONAL EDUCATION AND FOREIGN STUDENT ADVISING

There is a growing awareness of the need for greater international and intercultural understanding. The University provides assistance and attempts to foster a greater commitment and involvement throughout the institution in international education.

Each year, Eastern Kentucky University has a number of foreign students studying at both the undergraduate and graduate levels. These students come from throughout the non-communist world and represent approximately thirty nations. The Director of International Education and Foreign Student Advisor serves as the designated University official to assist all foreign students with their legal requirements and their relations with the United States Office of Immigration and Naturalization and other official agencies. The Director may also advise and assist foreign students with other needs as they arise. For information, please write Director of International Education and Foreign Student Advisor, Eastern Kentucky University, 142 Keith Building, Richmond, Kentucky, 40475-0947, or call (606)622-3543.

COLLEGE OF ALLIED HEALTH AND NURSING

DAVID D. GALE, Dean

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The College of Allied Health and Nursing endorses and functions within the philosophy of Eastern Kentucky University.

Recent advances in the areas of science, technology, and medicine have greatly expanded the need for health manpower at state, regional and national levels. Consequently, an extensive array of health-related programs have been developed, and it can be anticipated that health career opportunities will continue to increase. Thus, the college offers educational opportunities in a variety of disciplines which are concerned with the maintenance and promotion of health.

PHILOSOPHY AND GOALS

The faculty of the college ascribes to the philosophy that each individual has the right to define a set of values and determine a commitment to them. Further, the identification of human values evolves through learning which enables the individual to search for knowledge and truth. The faculty acknowledges the individual's right to meet basic human needs, including the right to develop full potential.

Traditionally, health care was rendered primarily to the acutely ill in institutional settings. In the future, the health care focus will be disease prevention and health maintenance. Such a focus demands that practitioners be educated on a broad base which is built upon the biological, social, and physical sciences. Further, learners must be allowed to practice skills in a variety of health care systems.

The curricula of various programs are comprised of a series of planned educational experiences designed to facilitate learning and to lead to the achievement of clearly defined educational objectives. The learning of a curriculum enables students to acquire a body of knowledge, become proficient in skills, and gain appreciation for the practice of a chosen health care profession. Education as viewed by the faculty is a cumulative and ongoing process which results in increasing cognitive, psychomotor, and affective capabilities for those who pursue it.

OBJECTIVES OF THE COLLEGE

1. To provide opportunities, instruction, and guided experiences by which students may gain the basic knowledge and attain skills essential to the practice of their respective profession.
2. To provide career guidance that will attract students of high quality who will find a rewarding career in the health care field.
3. To investigate societal needs for health care and patterns of effective delivery.
4. To assist disadvantaged students to prepare for entrance and to successfully complete a health care program.
5. To determine how additional or better-educated manpower may improve the quality and/or quantity of health care.
6. To encourage students to make meaningful contributions towards the promotion of better health and prevention of illness.
7. To encourage development of learning experiences that will enhance the team concept in health care and the principles of lifelong learning.
8. To provide for career mobility and continuing education within the various health professions.
9. To provide information and consultation to the community and the professions for planning and development.
10. To assist the student in recognizing the need for accountability to the various "publics" within the health care system.

ADMISSION REQUIREMENTS

The College of Allied Health and Nursing accepts applications from all persons who are qualified for admission to the University. Students who transfer from another college or university must provide the college Admissions Coordinator with a transcript of work completed. Credit is normally given for courses taken in an institution which has been accredited by the Southern Association of Colleges and Schools or by a regional accrediting body of similar rank. All applicants must provide evidence of their ability to meet the academic standards established by the various programs. Due to enrollment limitations of programs, applications should be made early. Applications received after the deadline of a program will be processed and admissions recommended on a space available basis. Specific entrance requirements for each program are shown in the departmental sections of this Catalog.

General Admissions Policies

1. Students must follow the general admission procedures and policies of the University prior to being considered for enrollment in the College of Allied Health and Nursing.
2. Since Eastern Kentucky University is a state-supported institution, first preference for admission will be given to Kentucky residents; however, out-of-state students will be given appropriate considerations.
3. Careful attention will be given to the applicant's character, attitude, and mental and physical fitness for pursuing a

career in one of the health professions.

4. Of necessity, some programs will have a limited enrollment, and preference will be given to the more highly qualified candidates. This determination will be made by the College of Allied Health and Nursing.

5. Transfer work must be from an accredited institution with a minimum grade of "C." The applicant must be eligible to return to the last institution attended.

6. Work taken more than eight years previously must be approved by the Dean of the College. Validation of this course work may be considered on the basis of satisfactory grades in science and/or other pertinent courses taken within the 12 months prior to application action.

7. Specific admission criteria are provided under each of the Allied Health and Nursing programs. Failure to meet deadlines and to submit materials may result in cancellation of the application. The student is responsible for obtaining information for the application process.

8. In the event that a student is not accepted for a program, the student who wishes to re-apply must submit a new application and redated materials which will be considered when a new class is accepted.

Students desiring to complete collegiate work required for admission to professional programs may complete this work at any accredited college or university. Students are urged to carefully plan their course of study to include the disciplines and subject areas described in the individual programs, and to seek early counsel from the dean's office of the College of Allied Health and Nursing.

Students who have not reached a decision on the specific health career in which they wish to enroll may obtain counseling through the office of the Dean. Students will be provided with guidance by individual program directors, as well as the Admissions Coordinator of the College of Allied Health and Nursing.

Student Agreement Statement

All students enrolled in the College of Allied Health and Nursing are required to sign an agreement statement which encompasses professional expectations related to the program. This statement is to be signed when the student enters courses in the major.

Student Liability Insurance

All students whose programs require participation in clinical learning experiences must purchase and maintain Liability Insurance during the entire clinical experience. Proof of such insurance coverage must be furnished to the department before the clinical experience is scheduled to begin. The University has arranged for appropriate insurance coverage at a modest cost to the student. Further information may be obtained at the student's major departmental office.

CLINICAL FACILITIES

The University maintains formal contracts with many health care agencies located throughout Kentucky. The majority of these contracts are within the Blue Grass region. Almost every speciality within the entire health care spectrum is available for use in providing experiences of high quality for students enrolled in the programs. A list of cooperating agencies is available through the office of the Dean.

DEGREE AND CERTIFICATE REQUIREMENTS

The student is responsible for selection and registration for courses needed for reasonable progress toward their degree or certificate which will enable the student to satisfy requirements for graduation. A student may re-enroll in the same course for a subsequent time only under unusual circumstances and with the written permission of the Dean of the College of Allied Health and Nursing. Students who interrupt their program sequence must obtain approval of the Admissions Committee of the Department prior to re-entry.

The Master of Arts in Education degree with an emphasis in Allied Health is offered in the College of Education with the cooperation of the College of Allied Health and Nursing. The major emphasis of this program is for students who wish to teach in the various allied health disciplines. A core of courses is designed to meet the needs of the students, depending on their clinical backgrounds. Complete requirements of the degree may be found in the College of Education section of the Graduate Catalog.

BACHELOR OF SCIENCE DEGREE

The College of Allied Health and Nursing offers the Bachelor of Science degree in environmental health science, health record administration, medical technology (basic program, and 3 + 1 program), nursing, and occupational therapy.

ASSOCIATE OF SCIENCE DEGREE

The College of Allied Health and Nursing offers the Associate of Science degree in emergency medical care, health record technology, medical assisting technology, medical laboratory technology, and nursing.

PRE-BACCALAUREATE AND PRE-ASSOCIATE DEGREE NURSING

Students who are accepted by Eastern Kentucky University Admissions office and declare their major as baccalaureate nursing are admitted as pre-baccalaureate nursing students. Students who are accepted by the Eastern Kentucky University Admissions office and declare their major as Associate Degree Nursing and are not accepted in the program for the next fall or spring class may enroll in pre-associate degree nursing. These students will be assigned an advisor and will be considered for admission to the program when they meet the admission criteria. The number of admissions to the baccalaureate and the associate degree nursing program (two classes annually in both programs) is limited, and preference will be given to the most highly qualified candidates. The student who is not accepted into either nursing program and wishes to be considered for admission the next semester must make notification in writing to the Admissions Coordinator.

CERTIFICATES

Students completing the requirements for Advanced Emergency Medical Care will be awarded a certificate of completion by Eastern Kentucky University. This should not be confused with the state certification of licensure.

DEGREE REQUIREMENTS

Baccalaureate Degree

1. A minimum of 128 hours with a minimum grade point average of 2.0 overall, a minimum grade point average of 2.0 from Eastern Kentucky University, and a minimum grade of 2.0 in all CLS, EHS, HRS, NUR, OTS, and selected AHN courses. Thirty of the last 36 hours must be earned at Eastern. Hours earned through challenge exams do not count toward the 30 required residence hours.
2. The 128 hours must include the following general education requirements:
   ANO 100, Academic Orientation
   ENG 101 and 102, or ENG 105
   Three to six hours Symbolics of Information
   Nine to 12 hours Humanities
   Nine to 12 hours Social Science
   Nine to 12 hours Natural Science
   *HEA 281
   **Eight hours restricted electives
   (Refer to Part Three of this Catalog for details on the General Education and University requirements.)
3. Health Record Administration majors may minor in another program. No other baccalaureate programs in the College have approved minors.

While specific requirements for each degree are found in the appropriate program presentations, the Academic Orien-

*not required for nursing students.
**not required for health record administration students.

tation course, ANO 100, is common to all programs.

ANO 100. Academic Orientation. (1) A. Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, catalog details, registration and preregistration, various career opportunities, and program requirements. Not open to students with more than 30 semester hours.

Courses numbered in the 500 series are open to seniors and graduate students who meet course and program prerequisites. Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates. Courses numbered in the 600 series are open only to graduate students.

Associate Degree

A minimum of 64 hours is required with a minimum grade point average of 2.0 overall, a minimum grade point average of 2.0 from Eastern Kentucky University, and a minimum grade of 2.0 in EMC, HRS, MAS, MLT, NUR, and selected AHN courses.

A minimum of 16 hours in courses approved for general education is required for all associate degree programs. These hours include ENG 101 and ENG 102, or their equivalent, plus 10 additional hours. The 16 hours must represent courses from at least three of the five general education areas (see Part Three of the Catalog), with no more than nine hours from any one area. In addition, an orientation course is required for all associate degree programs. Four hours of restricted electives are required for Emergency Medical Care majors.

PLANNED CURRICULUM

Upon completion of 60 hours, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by consulting the faculty advisor in the major department. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor.

REQUIREMENTS FOR GRADUATION

Students file an application for graduation in the Dean's office. They should apply by the end of April if they will complete requirements in December, and by the end of October if they will graduate in May or August. It is the student's responsibility to plan his program and to register for the proper courses so that he will have satisfied all requirements at the time he expects to graduate.

PRE-PROFESSIONAL ALLIED HEALTH PROGRAMS

Students interested in a baccalaureate degree allied health program, such as physical therapy and dental hygiene, may take two years of pre-professional courses before transferring to another institution at the professional level. It is strongly recommended that out-of-state students communicate with colleges in their own state. Students, at the time of advisement, interested in a specific allied health program should provide a copy of the curriculum outline for the program to which they plan to transfer. An advisor will assist in the development of a specific transfer program. The 60 hours of course work listed below will meet the requirements for freshmen and sophomores at most institutions.

Two semesters of English Composition	6 hours
Two semesters of Psychology	6 hours
Two semesters of General Chemistry with lab.	9 hours
Two semesters of Physics with lab (Physical Therapy)	10 hours
Two semesters of General Zoology or Biology with lab	8 hours
General Educational courses	9 hours
Electives	12-22 hours
Total pre-professional courses	60 hours

DIVISION OF CONTINUING EDUCATION

Voight, J., Director

The Division of Continuing Education in the College of Allied Health and Nursing serves health professionals whose service-action careers demand educational activities to be ongoing and open ended. Programs for these professionals are specifically tailored to meet expressed job-related needs. Careful studies are continually conducted so that a wide variety of programs can be offered each year; the objectives of each offering are to increase the professional's depth in a specialized area of subject matter and to develop an understanding of ways to apply this knowledge more effectively to serve health related needs in human services.

Offerings are designed for single disciplines only, for interdisciplinary participation, and can, on occasion, include the general public for certain areas of interest. Programs are held off campus and on campus and include workshops, seminars, lectures, conferences, and short term courses for noncredit. Program faculty are from University academic departments as well as specialists in health or health-related fields from the off campus population.

Continuing Education Units, through the Division of Special Programs Eastern Kentucky University, are awarded for successful completion of program offerings. For information contact Division of Continuing Education and Special Programs, College of Allied Health and Nursing, Eastern Kentucky University, Richmond, Kentucky 40475-0956, (606)622-2143.

INDEPENDENT STUDY LABORATORY

The Independent Study Laboratory is a learning resource center and audio-visual library for the College of Allied Health & Nursing. It provides support to the instructional needs of the faculty through the use of audio-visual materials, equipment, and other services. The primary purpose of the Independent Study Laboratory is to provide the student the opportunity to reinforce previous learning of clinical/classroom content through independent review of audio-visual materials and study of other available resources such as anatomical models, charts, reference books, and periodicals. The Independent Study Laboratory has over 1,300 program titles. It is located in the Rowett Building, Room 310.

DEPARTMENT OF
EMERGENCY MEDICAL CARE

Rasmussen, J., Chair; Berlin, Siegel.

The curricula are designed to provide the student with the theoretical and practical aspects of emergency medical procedures.

The program is accredited by the American Medical Association Committee on Allied Health Education and Accreditation in conjunction with the Joint Review Committee on Education Programs for the EMT-Paramedic.

Objectives of the Department of Emergency Medical Care are to:

1. Help each student to perceive his greatest educational potential;
2. Encourage the student to recognize the biological, psychological, spiritual, sociocultural, and socioeconomic influences on the state of the patient;
3. Provide each student with opportunities to develop his leadership potential with practical experience;
4. Encourage each student to express opinions openly;
5. Provide each student with the knowledge and skills

necessary to provide pre-hospital emergency medical care; and

6. Develop within each student a knowledge of the duties, skills and responsibilities of other members of the health care team.

Emergency Medical Care

MAJOR, ASSOCIATE OF SCIENCE

Major Requirements ..... **30 hours**
EMC 110, 111, 112, 220, 221, 230, 252, 262, 330
Supporting Course Requirements ..... **5 hours**
AHN 240, 332
General Education Requirements ..... **21 hours**
ANO 100; BIO 171; 301; ENG 101 & 102, or 105; 4 hours electives in Areas II, III, V; 4 hours of restricted electives to be met by MIL 101 or 102, or by electives chosen outside the student's major field of study.
Free Electives ..... **8 hours**
Total Curriculum Requirements ..... **64 hours**

ADVANCED EMERGENCY MEDICAL CARE, CERTIFICATE

Major Requirements ..... **30 hours**
EMC 110, 111, 112, 220, 221, 230, 252, 262, 330
Supporting Course Requirements ..... **11 hours**
AHN 240, 332, BIO 171, 301
Total Curriculum Requirements ..... **41 hours**

MINOR IN EMERGENCY MEDICAL CARE

A student may minor in Emergency Medical Care by completing EMC 110, 111, AHN 332 and 9 hours selected from AHN and EMC courses, as approved by the Department.

ADMISSION REQUIREMENTS AND PROCEDURES

One class is admitted to the advanced level (paramedic) annually for the fall semester. Basic students are accepted each semester. Admission into the Department of Emergency Medical Care is contingent upon enrollment at Eastern Kentucky University. Enrollment is limited and, therefore, students are advised to apply as early as possible.

ADMISSION REQUIREMENTS FOR FRESHMAN YEAR (BASIC EMERGENCY MEDICAL CARE)

1. Acceptance by Eastern Kentucky University and the College of Allied Health and Nursing;
2. *Be 18 years of age or older;
3. *Be of good moral character;
4. *Not be habitually addicted to or an abuser of alcoholic beverages, drugs, or controlled substances;
5. *Understand and be able to read, speak, and write the English language;
6. *Submit a signed application form provided by the Department for Human Resources.

*Requirements by the Kentucky Department for Human Resuorces as stated in 902 KAR 13:020 Applicant's requirements; priority for training.

ADDITIONAL REQUIREMENTS FOR ENTRY INTO THE SOPHOMORE YEAR (EMT-ADVANCED LEVEL: PARAMEDIC)

1. *Have a physical examination performed by a physician licensed in this state within 12 months immediately preceding the date of application verifying that the applicant is in good physical health and has no disabilities that could prevent the applicant from functioning as a paramedic, including a chest X-ray or tuberculin test;
2. *Be currently certified by the Kentucky Department for Human Resources as an Emergency Medical Technician, Emergency Medical Technician-Ambulance, Emergency Medical Technician-Instructor, or Emergency Medical Technician Instructor-Trainer;
3. *Have a high school diploma or G.E.D.;
4. *Submit an application form provided by the Board to the Board (Kentucky State Board of Medical Licensure) and to the medical advisor;
5. Successfully complete a written and practical selection test;
6. A maximum of 20 students will be selected based on results of item (5) if items (1) to (4) have been completed. These requirements by The State Board of Medical Licensure (20 KAR 9:111 Application, Certification requirements).

*Required for students seeking Kentucky certification as either an Emergency Medical Technician or Paramedic. These requirements may be waived for students not seeking Kentucky certification at either the basic or advanced level.

PROCEDURES FOR ADMISSION

1. Apply for admission to Eastern Kentucky University through the Division of Admissions.
2. Following acceptance to the University, application forms for the College of Allied Health and Nursing will be sent to the student.

All students will initially be accepted into the basic level. Progression to the advanced level is based on successful performance on written and practical testing (administered prior to start of each class sequence) and recommendation by the departmental Admissions Committee attesting to the applicant's attitude, professionalism, motivation, dependability, and desire to follow instructions and orders with reliability. All advanced students must maintain current certification by the American Heart Association in Basic Cardiac Life Support and EMT Certification.

All students must attain a minimum grade of "C" in all Emergency Medical Care (EMC) courses required for Associate of Science degree or certificate.

Student uniforms, accessories, liability insurance, and transportation to clinical sites are the financial responsibility of the student.

Course Descriptions — for this department, apply the following definitions to the course descriptions.

1. Clinical Experience - Instructional and supervised practice of emergency medical skills in critical care units, OB units, emergency departments, operating rooms, psychological crisis intervention centers, and other settings as appropriate.
2. Internship/Field Experience - Supervised development of clinical competencies. The internship/field experience is a period of supervised experience on an intensive care vehicle which provides the student a progression of increasing patient care responsibilities and which proceeds from observation, to working as a student, to working as a member of the team.

Course Descriptions

EMC — Emergency Medical Care

102 Emergency Medical Procedures. (3) I, II, A. Formerly AHN 102. Upon successful completion of the course, the student will be proficient not only in providing basic emergency medical care to victims of emergencies but also in taking any action necessary to minimize patient suffering and prevent further injury. CPR certification is an integral part of the course.

110 Introduction to Emergency Medical Care. (5) I, II, A. The student will be introduced to the techniques of emergency medical care considered within the responsibilities of the emergency medical technician.

EMC—Emergency Medical Care

111 Clinical Experience I. (2) I, II, A. Prerequisite or Corequisite: EMC 110.The student will be introduced to the function of the emergency room and the policies and procedures employed in this area. The student will assist with patient care under the direct supervision of personnel in the clinical situation.

112 Basic Mobile Field Experience. (2) I, II, A. Prerequisite: EMC 110. The EMT student will receive actual on-the-scene experience using the skills acquired in the first semester such as patient assessment, splinting, bandaging, CPR, patient transportation, and radio dispatching.

220 Advanced Emergency Medical Care I. (3) I, A. Prerequisites: AHN 240, 332, BIO 171, 301, EMC 112. The beginning paramedic student will be able to apply knowledge, attitude and skills germane to the total assessment of the ill or injured patient. Emphasis is placed on intervention techniques and data base gathering.

221 Advanced Clinical Experience I. (3) I, A. Prerequisite or Corequisite: EMC 220. Students will rotate through a variety of clinical areas. Supervised experience will be gained in the procedures covered in EMC 220 and all prior courses.

230 Advanced Emergency Medical Care II. (3) II, A. Prerequisites: EMC 220, 221. The intermediate level paramedic student will learn about the pathophysiology and advanced pre-hospital management of the ill or injured patient. Successful completion of the course is by approval of Medical Director.

252 Advanced Clinical Experience II. (3) II, A. Prerequisites: EMC 220, 221, and concurrent enrollment in EMC 230. Students will rotate through a variety of critical care units. Supervised experience will be gained in the procedures covered in EMC 230 and all prior courses.

262 Mobile Intensive Care. Internship. (4) I, II, A. Prerequisites: EMC 230, 252. The advanced level paramedic student will participate as a member of an operational mobile intensive care team and apply the principles and knowledge that have been gained as a result of the core educational experience. ACLS Provider Certification is an integral part of the course.

300 Mobile Intensive Care Field Experience. (4-12) A. Prerequisite or Corequisite: EMC 262 and instructor approval. The advanced level paramedic student will participate on a less dependent basis with an operational mobile intensive care unit until prepared to function as an EMT-Paramedic without on-the-scene supervision and apply the principles and knowledge gained. The student will design an independent research model.

303 Advanced Rescue Procedures. (3) A. Procedures of assessment of emergency scene, use of various rescue tools for extrication of patient, removal and transfer to emergency care facility.

330 Introduction to Pharmacology. (3) I, A. Provides an introduction to the classification, nature and uses of drugs including dosages, solutions, effects and contraindications of drugs. Emphasis is placed upon the pharmacological agents utilized in the pre-hospital health care setting.

EMC 102, 110, 220, 230 usually require outside laboratory time to complete course requirements.

DEPARTMENT OF

ENVIRONMENTAL HEALTH SCIENCE

Blackwell, F., Chair; McLean

The curriculum in Environmental Health Science focuses on the relation of the physical, chemical, and biological factors which affect the health and well-being of man. Students are prepared at the bachelor's level for a variety of professional careers in environmental health, industrial health and safety, disease vector control, environmental program planning, and other areas. Employment opportunities exist in public health agencies, environmental protection type agencies, government, private industry, insurance companies, consulting firms, and education. The student earns a Bachelor of Science degree in environmental health science. The Department also offers a minor in environmental health science. Students majoring in environmental health science must achieve a grade of "C" in all major courses.

OBJECTIVES

The environmental health science graduate is prepared to:

1. Operate and administer programs in the various branches of environmental health including disease vector control, industrial hygiene, housing, water, wastewater, radiation protection, food service sanitation, solid waste management, and air pollution.
2. Recommend appropriate environmental health programs and courses of action designed to meet the requirements in various industries, businesses, and agencies.
3. Evaluate these environmental health programs with respect to the prevention of disease, injury, and preservation of health.
4. Continue their education at the graduate levels in both the academic and professional setting.

Environmental Health Science

AREA MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... 48 hours
EHS 320, 325, 330, 400, 480, 490; HEA 360, 516, 450, 555; plus 12 hours selected from EHS 335, 410, 425, 440, 445, 470, 498; OSH 361, 362, 363 ..... 42 hours
Field Experience ..... 6 hours
EHS 463
Supporting Course Requirements ..... 32-33 hours
BIO 131 or 141; BIO 171; BIO 211; BIO 273; BIO 301; CHE 111/112 or CHE 105/106; MAT 105 or 107 or 165; PHY 101.
General Education Requirements ..... 43 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... 1-2 hours
Total Curriculum Requirements 128 hours

MINOR IN ENVIRONMENTAL HEALTH SCIENCE

A student may minor in Environmental Health Science by completing EHS 320, 325, 330, and an additional 9 hours approved by the Environmental Health Science department for a minimum of 18 hours.

Course Descriptions

EHS—Environmental Health Science

320 Principles of Environmental Health. (3) I. Formerly AHN 320. Elements of environmental health, including water and waste treatment, air pollution, food sanitation, vector control, solid waste disposal, and general sanitation problems.

325 Industrial Health and Safety. (3) II. Formerly AHN 325. Importance of protecting the work environment. Emphasizes the methods and techniques of maintaining health and safety in industry and agriculture.

330 Environmental Control of Disease Vectors. (3) I. The identification and control of arthropods, arachnids, rodents, and other vectors of disease. Safe use of pesticides will also be discussed.

335 Solid Waste Management. (3) I. A study of the environmental health and safety aspects of solid waste treatment and disposal, including waste collection practices, treatment processes, toxic and hazardous wastes, disposal techniques, and regulations governing waste management.

349 Cooperative Study — Environmental Health Science. (1-8) I, II, A. Prerequisite: departmental chair approval. Work in placements related to academic studies. One to 8 hours credit per semester or summer. A minimum of 80 hours work required for academic credit.

400 Air Pollution and Health. (3) I. A study of the health effects of air pollution, including a discussion of the primary sources of air-

borne pollutants, the control of air pollution, and community and national standards.

410 Radiological Health. (3) II. A study of health effects of ionizing and non-ionizing radiation, including environmental radiation sources, detection, measurement, control, and safety devices.

425 Environmental Health Program Planning. (3) II. Administration, planning, implementation, and evaluation of environmental health programs. Discussion of resources and promotional techniques, and the role of the environmental health specialist dealing with community, state, and regional agencies.

440 Environmental and Industrial Toxicology. (3) I. A study of the extent and significance of toxic agents in man's environment, and the physical, chemical, and biological processes which determine their behavior, fate, and ultimate effects on human health.

445 Food Sanitation. (3) II. A study of the health effects of food and milk-borne disease, including a discussion of milk and foods as vehicles of infection, essentials of milk, food and food service sanitation, legal control of milk and food quality, standards for dairy, milk, and food service equipment.

463 Field Experience in Environmental Health. (6) I, II, A. Formerly AHN 463. Supervised and directed field experience in local, state, and regional environmental health agencies.

470 Seminar in Environmental Health Problems. (2) II. Formerly AHN 470. Prerequisite: instructor approval. Discussion and analysis of literature related to selected current environmental health problems. May be taken for a maximum of 4 hours credit.

480 Water Supplies and Waste Disposal. (3) I. Formerly AHN 480. Calculation of water requirements and the availability and utilization of surface and ground water supplies. Maintenance of raw water quality, water purification, and water delivery systems. Techniques for collection, treatment, and disposal of liquid and solid wastes.

490 Environmental Quality Control. (3) II. Formerly AHN 490. Investigation of environmental quality and its effects on man, animals, and plants. Develops skills needed for investigations and control procedures. Includes sampling, monitoring, and evaluation of the environment. 1 Lec/4 Lab.

498 Independent Study in Environmental Health. (1-3) I, II, A. Formerly AHN 498. Prerequisites: instructor approval. Opportunity for individual work on an environmental health research problem in a supervised situation. May be retaken for a maximum of 6 hours credit.

DEPARTMENT OF
HEALTH RECORD SCIENCE

Hindsman, F., Chair; Caldwell, Grodsky, Jones, Saylor.

The Health Record Science Department offers two methods of progression toward a Bachelor of Science degree in health record administration:

1. **Two-Plus-Two.** The student completes the two-year Associate of Science degree requirements for health record technology before taking the additional course requirements for the Bachelor of Science degree in health record administration.

2. **Four-year.** The student bypasses the Associate of Science degree and completes only those courses required for a Bachelor of Science degree in health record administration.

HEALTH RECORD ADMINISTRATION PROGRAM

The Health Record Administration Program is accredited by the Committee on Allied Health Education and Accreditation of the American Medical Association in collaboration with the Council on Education of the American Medical Record Association. The graduate is eligible to write the national registration examination to become a Registered Record Administrator (RRA).

An RRA serves in an administrative capacity by managing health information systems in hospitals, skilled and intermediate care facilities, comprehensive health care centers, mental health centers, public health departments, governmental health agencies, veterinary institutions, prisons, and any other institutions or agencies that handle records of patient care.

The Health Record Science curriculum is comprised of three phases:

1. **Pre-Technical Phase** — the first year of the curriculum which includes AHN 100, 200, 201, ANO 100, BIO 171, 301, 378, ENG 101, 102, HEA 281, HPR 180, 181.
2. **Technical Phase** — the semesters in which HRS 200- and 300-level courses are taken.
3. **Professional Phase** — the last year of the curriculum which includes HRS 400-level courses.

DIRECTED PRACTICE AND MANAGEMENT PRACTICUM

During the technical phase of the curriculum, the student is required to spend approximately eight weeks at a hospital or other health care facility for supervised practice in the technical aspects of health records. During the professional phase of the curriculum, the student is assigned for approximately eight weeks to two health care facilities for observation and practice of the management aspects of health record practice.

The University assumes full responsibility for making assignments to directed practice sites. The student is responsible for his living expenses involved in relocation for these assignments.

ADMISSION CRITERIA AND PROCEDURE

A student may enter the Health Record Administration Program either after completing the pre-technical phase of the curriculum or after completing the technical phase.

ADMISSION CRITERIA

1. **Pre-technical Phase.** Same as general entrance requirements for Eastern Kentucky University.
2. **Technical Phase.**
   a. Completion of the pre-technical phase of the curriculum with a minimum grade of "C" in all AHN and BIO courses.
   b. An over-all minimum grade point average of 2.5 on a 4.0 scale.
   c. Typing proficiency of 45 words per minute.
3. **Professional Phase.**
   a. Completion of the technical phase of the curriculum with a minimum grade of "C" in all AHN, BIO, and HRS courses.
   b. An over-all grade point average of 2.5 on a 4.0 scale.

Enrollment is limited, and students are admitted in order of priority on the basis of highest cumulative grade point average. A student with a cumulative grade point average below 2.5 on a 4.0 scale is not considered for admission to the Health Record Administration Program. Admission to the pre-technical phase does not guarantee admission to the technical phase of the curriculum.

ADMISSION PROCEDURE

1. **Pre-Technical Phase.**
   a. **Freshmen.** A student who is accepted by the Eastern Kentucky University office of Admissions and the College of Allied Health and Nursing is admitted to the pre-technical phase of the curriculum if health record administration is declared as a major.
   b. **Transfers.** A transfer student must submit copies of official transcripts to the office of the Registrar. Credits of equivalent required courses earned from an accredited institution are accepted if grade requirements are met. Credits over eight years old in equivalent major and supporting courses are not accepted unless approved by the Dean.
   c. **AMRA Correspondence Course/Independent Study Program Graduates.** An AMRA Correspondence Course/ Independent Study Program graduate may earn credit for correspondence courses either by repeating equivalent

University courses or by passing challenge examinations in these courses.

2. Technical and Professional Phases

The student is admitted to the technical and professional phases as long as the grade requirements are met as defined in the admission criteria.

PROGRESSION IN THE HEALTH RECORD ADMINISTRATION PROGRAM

1. Technical Phase

To continue in the technical phase of the program, the student must maintain an overall GPA of 2.5 on a 4.0 scale and a minimum grade of "C" in required AHN, BIO, and HRS courses.

2. Professional Phase

To continue in the professional phase of the program, the student must maintain an overall GPA of 2.5 on a 4.0 scale and a minimum grade of "C" in all major and supporting courses.

PROGRAM OBJECTIVES

The Health Record Administration graduate is prepared to:

1. Manage a health information system to meet the needs of the institution;
2. Provide leadership, direction, and structure to effectively supervise, counsel, and evaluate the human resources;
3. Conduct in-service training programs for subordinates and other health record personnel;
4. Establish procedures and design systems for collecting and processing health information on a manual or computerized basis;
5. Develop and implement policies controlling the release of confidential information;
6. Initiate research and prepare administrative and clinical statistical reports;
7. Provide the medical staff with data needed to evaluate the quality of care;
8. Develop and implement quality assurance/risk management procedures for health information centers; and
9. Provide consultant services to various types of health care information centers.

FINANCIAL AID

In addition to the regular means of financial aid offered through the Financial Aid office of Eastern Kentucky University, a student entering the final year of study in either health record administration or health record technology has an additional option of applying to the Foundation of Record Education of the American Medical Record Association for a low-interest loan. Information is available in the Department of Health Record Science.

Health Record Administration

AREA MAJOR, BACHELOR OF SCIENCE
TWO-PLUS-TWO PROGRAM

Major Requirements ..... 59 hours
AHN 100, 200, 201, HRS 201, 202, 203, 305, 306, 307, 308, 309, 310, 312, 401, 403, 404, 406, 407, 412, 414.

Supporting Course Requirements ..... 40 hours
BIO 171, 273, 301, 378, CHE 105, CIS 212, 303, MGT 300, OAD 280, 301, 560, STA 208, 209, 210, PSY 202.

General Education Requirements..... 35 hours
Standard General Education program, excluding course categories 13, 14, 15, 16, and 20. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... 134 hours

FOUR YEAR PROGRAM

In addition to the two-plus-two program, a four-year baccalaureate program is offered which differs from the above as follows:

OAD 280, STA 208, and HRS 309 are not required. HRS 302 is substituted for HRS 202.

Total Curriculum Requirements ..... 128 hours

HEALTH RECORD TECHNOLOGY PROGRAM

The health record technology curriculum is designed to prepare students for employment in medical record departments in various types of health care facilities.

This two-year program is accredited by the Committee on Allied Health Education and Accreditation of the American Medical Association in collaboration with the Council on Education of the American Medical Record Association. The graduate is eligible to write the national accreditation examination to become an Accredited Record Technician (ART).

An ART serves as a specially trained assistant to Registered Record Administrators, carrying out the many technical activities within a medical record department of health care facilities and agencies.

Admission and progression criteria and procedures are the same as those described for the Health Record Administration Program through the technical phase.

Financial aid through the Foundation of Record Education is also available.

PROGRAM OBJECTIVES

The Health Record Technology graduate is prepared to:

1. Organize, analyze, and evaluate health records according to established standards;
2. Compile and utilize various types of administrative and health statistics;
3. Code symptoms, diseases, procedures, and other therapies according to recognized classification systems;
4. Maintain and utilize a variety of health record indexes, storage and retrieval systems;
5. Transcribe medical reports;
6. Prepare health data input for computer processing, storage, and retrieval;
7. Take medical records to court and maintain the flow of health information to all departments in the health care facility;
8. Maintain special registries, such as cancer, trauma, and stroke;
9. Abstract and retrieve health information used for evaluation and planning in health-related programs; and
10. Implement policies controlling the release of confidential information.

Health Record Technology

ASSOCIATE OF SCIENCE

Freshman Year ..... 33 hours
AHN 100; 200; 201; ANO 100; BIO 171; 301; 378; ENG 101 and 102, or 105; HEA 281; HPR 180; 181; 3 hours social science; 3 hours humanities.

Sophomore Year ..... 31 hours
CIS 212, HRS 201, 202, 203, 305, 306, 307, 308, 309, 312, OAD 280, STA 208.

Total Curriculum Requirements ..... 64 hours

Course Descriptions

HRS—Health Record Science

201 Introduction to Health Record Science. (2) I, II. Formerly HRS 102. A study of the development of the health record profession and

practice in techniques relative to hospital patient admission practices, completion of birth and death certificates, and patient record filing and retention methods.

202 Medical Transcription. (3) I, II. Formerly HRS 103. Prerequisites: AHN 200, 201, BIO 171, minimum typing proficiency 45 wpm. Prerequisite or corequisite: BIO 301. Transcribe medical reports including histories, physicals, summaries, operations, autopsies, consultations, pathology, radiology, and other health reports by using transcription machines.

203 Fundamentals of Medical Science. (3) I, II. Prerequisites: AHN 200, 201, BIO 171, 301. An introduction to the study of disease—its causes, symptoms, and treatment.

302 Medical Word Processing. (3) I. The transcription of medical reports and the study of various types of mechanized and automated equipment designed to record and communicate medical information.

305 Health Record Standards and Management. (2) I, II. Formerly HRS 205. Prerequisite: HRS 201. The content, organization, and analysis of hospital patient records. Licensing, accreditation, and certification standards relative to medical record management and medical staff organization in hospitals. Blocked during the first 8 weeks of the semester.

306 Health Record Classification and Coding Systems. (2) I, II. Formerly HRS 205. Prerequisite: HRS 203 or instructor approval. The coding and classification of symptoms, diseases, operations, and procedures according to recognized systems. Blocked during first 8 weeks of the semester.

307 Health Care Data Collection. (2) I, II. Formerly HRS 215. Prerequisites: STA 208 or 209 and 210. The completion of health care data abstracts and the computation and display of statistical data for administrative use, health care planning, and medical research. Blocked during the first 8 weeks of the semester.

308 Specialized Health Records and Registries. (2), I, II. Formerly HRS 205. Prerequisite: HRS 201. Maintenance of health records in non-hospital health care facilities; organization, functions, and procedures of a cancer registry; problem-oriented health record; and functions of a medical library. Blocked during the first 8 weeks of the semester.

309 Utilization and Release of Health Record Information. (2), I, II. Formerly HRS 215. Prerequisite: instructor approval. An introduction to methods of quality assurance in health care and the techniques of protecting the confidentiality of patient information. Blocked during the first 8 weeks of the semester.

310 Consulting Principles and Practices in Health Record Administration. (2), I, II. The principles and practices of consulting in health information systems for health care or health-related facilities. Blocked during the first 8 weeks of the semester.

312 Directed Technical Practice in Health Information Centers. (6) I, II. Formerly HRS 206. Prerequisites: HRS 305; 306; 307; 308; 202 or 302. Simulated projects in the University lab and supervised practice in the technical aspects of health records within health information centers throughout Kentucky. Blocked during the last 8 weeks of the semester.

401 Legal Aspects of Health Records. (3) I. Formerly HRS 333. Legal aspects of health records from the patient's rights and records to medical malpractice and consents. Actual cases and statutes are discussed.

403 Disease Processes and Treatment. (4) I. Formerly HRS 304. Prerequisite: HRS 203. Major diseases of man and their management through medical and surgical intervention. A course designed to assist the health record administrator in abstracting data for medical research and patient care evaluation.

404 Professional Communications and In-Service Techniques. (4) II. Prerequisite: senior classification or instructor approval. Techniques for oral and written professional communications and methods of planning, conducting, and evaluating in-service education. The student is required to conduct an in-service session. Blocked during first 8 weeks of the semester.

406 Quality Assurance in Health Care. (3) II. Formerly HRS 323. Prerequisite: HRS 403. Techniques of writing quality assurance plans and the implementation, conduction, and follow-up of a quality assurance program in a health care setting. Blocked during first 8 weeks of the semester.

407 Organization and Management of Health Information Centers. (3) I. Formerly HRS 303. Prerequisites: HRS 312, MGT 300. Prerequisite or corequisite: OAD 560. The application of management principles to the administration of health information centers.

412 Management Practicum in Health Information Centers. (6) II. Prerequisite: final semester in program. Internship assignment to health information centers for observation and practice of management functions. Blocked during the second half of the semester.

414 Seminar in Health Information Management. (1) II. Formerly HRS 413. Corequisite: HRS 412. During the last week of the semester, students will participate in a seminar to review and discuss health record administration in theory and in practice.

DEPARTMENT OF
MEDICAL ASSISTING TECHNOLOGY

Thurman, M., Chair; Berge, Dunn, Eades

The Medical Assisting Technology Program was established in response to the need for skilled individuals to serve as members of the primary health care team in providing optimal health care to people in the community. The Medical Assisting Technology Program, which leads to an Associate of Science degree, enables interested individuals to acquire a basic understanding of the health sciences and an appreciation of human dignity.

The Medical Assisting Technology Program is accredited by the American Medical Association, Committee on Allied Health Education and Accreditation, in collaboration with the American Association of Medical Assistants. Graduates of the program are eligible to take the certification examination administered by the American Association of Medical Assistants.

Students develop primary health care skills in diagnostic tests and measurements, therapeutic procedures, and medical office practices. The curriculum combines both general and specialized education in the field of medical assisting. Instruction includes both formal class work and directed practical experience in hospitals, physicians' offices, child care agencies, and other health care settings. The course of study may be completed in four semesters and one summer session.

Students taking the Medical Assisting curriculum may elect to add an emphasis in Pediatrics or Obstetrics/Gynecology. In addition to the skills of medical assisting, the pediatric emphasis offers specialized preparation in the care of children. The obstetrics/gynecology emphasis offers specialized preparation in the care of pregnant women and women with gynecological disorders. The additional skills and knowledge gained through either emphasis will give the graduate more job versatility in specialists' offices.

MEDICAL ASSISTING TECHNOLOGY OBJECTIVES

The medical assistant is prepared:

1. in the physical and psychological preparation of the patient for examination by the physician;
2. in therapeutic skills such as taking blood pressure, temperature, pulse, and respiration; giving injections; assisting with minor surgery and other treatments;
3. to collect specimens and perform basic laboratory tests such as urinalysis, complete blood counts, blood chemistries, diagnostic and screening tests, electrocardiograms, and culturing and evaluating various specimens;
4. to give emergency care when necessary;
5. to maintain and sterilize equipment;
6. to order medical and office supplies;
7. to schedule patient appointments and keep records;
8. in general secretarial-bookkeeping procedures.

The first two-and-one-half semesters are spent on campus in the classrooms and laboratories. The Medical Assisting department has three well equipped laboratories which permit the student to get valuable practical simulated experi-

ence in primary health care skills. The second half of the third semester, the student receives practical experiences in hospital operating rooms, emergency rooms, and laboratories. The final semester includes an externship (MAS 225) during which the student spends two days a week working in a physician's office.

Following a completion of the medical assisting technology Associate of Science degree, students can increase their knowledge and skills by obtaining a four-year degree. There are several related disciplines by which this can be accomplished. Some of these four-year programs which are complementary to medical assisting are community health, health care administration, and many other health/medically related areas.

Students desiring to transfer from AMA/CAHEA/AAMA accredited medical assisting programs may receive credit by examination for specific medical assisting courses.

ADMISSION REQUIREMENTS AND PROCEDURES

Two classes are admitted annually, one in the fall semester and one in the spring semester. Admission to the medical assisting program is contingent upon enrollment in Eastern Kentucky University. Enrollment is limited. Applications are accepted according to the dates they are received by the Admissions Coordinator.

1. Apply for admission to the University through the office of Admissions—School Relations.
2. An application form for the College of Allied Health and Nursing, Department of Medical Assisting Technology, will be sent to the student following acceptance to the University.
3. This form and a college health history form must be completed and returned to the Admissions Coordinator of the College of Allied Health and Nursing. Immunizations must be up to date.
4. A tuberculin skin test or a chest X-ray and a serology test are requirements of the Medical Assisting department. The skin and blood tests will be performed on the student after classes begin.
5. Transfer students must have attained a minimum 2.0 ("C") overall grade point average on all college work attempted before being officially admitted into the program.
6. Before entering MAS 231 and 232, the student must have successfully completed OAD 152 and have a typing proficiency of 40 wpm.
7. Before progressing into the externship class (MAS 225) of the final semester, each student must have a minimum overall grade point average of 2.0 ("C").

Medical Assisting Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... **25 hours**
MAS 100, 110, 210, 220, 221, 225, 231, 232, 240
Supporting Course Requirements ..... **20 hours**
AHN 200, 201, 332, BIO 273, EMC 102*, NFA 201, OAD 152
General Education Requirements..... **22 hours**
ANO 100; BIO 171; 301; CHE 105; ENG 101, 102; GSL 115; HPR 180 or 181
Elective (social science or humanities)..... **3 hours**
Total Curriculum Requirements ..... **70 hours**

Single Specialization Emphasis: Completion of one of the following 6- or 9-hour blocks will fulfill respective specialization requirements:
Pediatric: MAS 222, PSY 202, 312..... **9 hours**
Obstetrics/gynecology: CDF 241, MAS 223..... **6 hours**

*The department is responsible for initial CPR certification. The student is responsible for re-certification.

Course Descriptions

MAS—Medical Assisting Technology

100 Introduction to Medical Assisting. (3) I, II. Medical assisting responsibilities, administrative and clinical; medical ethics and law; communications; human relations.

110 Introduction to Clinical Skills in Medical Assisting. (3) II. Corequisite: MAS 100. Clinical skills performed in medical offices with emphasis on quality control, specimen collection, urinalysis, hematology, asepsis, vital signs, and related pathological and physiological conditions. 2 Lec/5 Lab.

210 Pharmaco-Therapeutics. (3) I, II. Formerly AHN 230. Provides an introduction to the classification, nature, and uses of drugs including dosages, solutions, effects, and contraindications.

220 Medical Office Laboratory Procedures. (4) I. Prerequisite: MAS 110, BIO 273. Corequisite: MAS 221. Application of scientific principles to increase knowledge and skills in urinalysis; hematology; diagnostic and screening tests; coagulation studies; blood chemistries; electrocardiograms; X-ray safety and patient preparation; limited physiotherapy. Selected off-campus experience required. 2 Lec/8 Lab.

221 Medical Assisting Techniques. (4) I. Prerequisite: MAS 110. Corequisite: MAS 220. Continuation of MAS 110, with emphasis on health history and physical assessment; drug administration, surgical procedures, major diseases and conditions, and related diagnostic procedures and treatments. Selected clinical experiences required. 2 Lec/8 Lab.

222 Comprehensive Child Health Care. (3) II. Formerly PAS 222. Prerequisite: MAS 220, 221, PSY 211, or departmental approval. Corequisite: PSY 312. Principles and methods of child health care including developmental testing; infectious diseases; immunizations; acute and chronic childhood conditions; treatments and procedures performed under the supervision of a physician. Selected supervised practice required.

223 The Obstetrical/Gynecological Patient. (3) II. Prerequisite: MAS 220, 221, or departmental approval. Corequisite: CDF 241, MAS 225, or departmental approval. Study of the conditions of pregnancy from conception to birth; gynecological disorders.

225 Medical Office Externship. (4) II. Prerequisite: sophomore standing; enrolled in medical assisting technology program; and an overall minimum grade point average of 2.0 ("C"). Supervised practice in physicians' offices, clinics, and health agencies. 2 Lec/16 Lab.

231 Medical Office Communications. (1) I, II. Formerly MAS 230. Prerequisite: MAS 100, OAD 152. The utilization of communication skills in a medical office.

232 Medical Office Records. (3) I, II. Formerly MAS 230. Prerequisites: AHN 200, MAS 100, and OAD 152 with typing speed not less than 40 wpm. The integration of knowledge and skills in medical office records.

240 Medical Office Management. (3) I, II. Formerly AHN 240. Prerequisite: MAS 100 or departmental approval. An introduction to the basic accounting principles pertaining to a medical office and the application of these skills in various medical situations.

DEPARTMENT OF

MEDICAL TECHNOLOGY

Schmitt, R., Chair; Noblitt, Thompson, Van Wegen.

The Department of Medical Technology has two clinical laboratory programs leading to the Bachelor of Science degree and the Associate of Science degree.

The baccalaureate program offers two options:

A first option is a University-based upper division plan, sometimes referred to as a 2-plus-2 program. In this option, all medical technology courses are conducted in laboratories on campus, except for the Practicum courses which are presented in a nearby affiliated clinical laboratory for approximately five months under the guidance of EKU faculty. The student seeks admission to this upper division program at the end of the sophomore year. Acceptance guarantees ad-

mission to the practicum courses for students who maintain a grade point average of 2.5 and fulfill prerequisites. Color blind students must obtain a medical evaluation before being admitted to the upper division plan.

The second option is a 3-plus-1 plan which is so designated because students follow a three-year curriculum plan on campus plus one year of organized instruction in an affiliated clinical laboratory. The instruction in a clinical setting is described as "Medical Technology Hospital Internship" (CLS 401) and carries a total of 36 semester hours credit. In this plan, it is the responsibility of the student to gain acceptance into an affiliated facility at the end of the junior year.

The Associate of Science degree is awarded upon completion of the medical laboratory technician program. Four semesters of on-campus study and practice are supplemented by a choice of several affiliated hospital laboratories. Students must apply to the affiliate of their choice and gain acceptance for completion of the practicum phase in the fifth semester which carries 12 hours credit.

PHILOSOPHY AND GOALS

It is the overall objective of the Department of Medical Technology to provide flexible programs which lead to technical competency based on knowledge and understanding. This precept requires the student to develop a sense of purpose and dedication to a health profession, a background in the arts and sciences, and a self-reliant determination to excel.

ADMISSION REQUIREMENTS

Medical Technology Program

Admission to the major: All students who are accepted by the Eastern Kentucky University Admissions office and declare their major as medical technology are accepted into the pre-medical technology major. Admission to the professional program: An overall grade point average of 2.5 with a grade of not less than "C" in each of the major and supporting courses is required and must be maintained. Candidates are selected by committee on a best qualified basis into one of the options described above.

Medical Laboratory Technician Program

Students interested in pursuing the two-year medical laboratory technician program must meet a minimum of 2 out of 3 of the following:

1. ACT minimum standard score of 17
2. Minimum high school grade point average of "B"
3. Projected rank of upper third of high school graduating class

In addition, students must earn a minimum of 2.0 ("C") in the major courses of the medical laboratory technician program. Students not meeting the requirements will have the opportunity to enroll in general education and support courses in order to establish an acceptable grade point average. Students who meet the above requirements will be accepted into the program within enrollment limits according to date of application. College students must have attained a minimum of 2.25 overall grade point average on a minimum of 12 hours attempted. Any change of major or transfer student not having the minimum grade point average will be assigned to the pre-MLT area until the minimum grade point average is attained. A grade point average of 2.25 must be maintained to remain in the MLT Program.

Medical Technology

AREA MAJOR, UPPER DIVISION PLAN, BACHELOR OF SCIENCE

Major Requirements ..... **52 hours**
BIO 520, CLS 201, 305, 308, 310, 320, 346, 411, 431, 432, 433, 434, 435, 436

Supporting Course Requirements ..... **38 hours**
BIO 211, 221, 348, 597; CHE 111, 112, 325, 361; MAT 107; STA 209, 210

General Education Requirements..... **43 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **3 hours**
To be selected by the student from University offerings with approval of advisor.

Total Curriculum Requirements ..... **136 hours**

Medical Technology

3-PLUS-1 PLAN, BACHELOR OF SCIENCE

Major Requirements ..... **45 hours**
CLS 201, 308, 401, 411

Supporting Course Requirements ..... **45 hours**
BIO 211, 221, 348, 520, 597; CHE 111, 112, 325, 330, 361; MAT 107; STA 209, 210

General Education Requirements..... **43 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Elective..... **3 hours**

Total Curriculum Requirements ..... **136 hours**

Medical Laboratory Technician

ASSOCIATE OF SCIENCE

Freshman Year ..... **31 hours**
ANO 100, AHN 200, CHE 111, ENG 101, MLT 201, HPR 180, CHE 112, ENG 102, BIO 211, MLT 202, HPR 181

Sophomore Year ..... **27 hours**
MAT 107, BIO 276, MLT 203, 3 hours of humanities or social sciences
BIO 348, CHE 330, MLT 207, 3 hours of humanities or social sciences

Fifth Semester..... **12 hours**
MLT 205, 206

Total Curriculum Requirements ..... **70 hours**

Course Descriptions

CLS—Clinical Lab Science

201 Introduction to Medical Technology. (3) I, II. Prerequisite: pre-MT major or instructor approval. Techniques common to clinical laboratories. Stresses basic physical and chemical principles with career applications. 4 Comb. Lec/Lab.

305 Analysis of Body Fluids. (2) I. Prerequisite: enrollment in upper division plan or instructor approval. Principles, procedures, and significance of analysis of urine, spinal fluid, and other fluids commonly examined in the clinical laboratory. 3 Comb. Lec/Lab.

308 Clinical Serology. (3) I, II. Prerequisite: pre-MT or MT major or instructor approval. Principles, procedures, sources of error and clinical application of serological tests. Immune mechanisms, specimen collection; procedures include ASO, VDRL, RA, LE, IM, Rubella, Cold Agglutinins, fluorescent antibodies, and others. 4 Comb. Lec/Lab.

310 Hematology and Coagulation. (5) I. Prerequisite: Enrollment in upper division plan or instructor approval. Morphology of blood, determination of blood parameters and dyscrasias; mechanisms and procedures in coagulation. 6 Comb. Lec/Lab.

320 Immunohematology. (3) II. Prerequisite: enrollment in upper division plan or instructor approval. Blood banking, blood grouping, phenotyping, cell panels, compatibility testing, and transfusion practices. 2 Lec/2 Lab.

CLS—Clinical Lab Science

346 Clinical Chemistry.* (6) II. Cross listed as CHE 346. Prerequisite: enrollment in upper division plan or instructor approval. Introduction to theory and lab procedures, measurement of constituents of body fluids, instrumemtation, and clinical interpretation of results in relation to biochemistry of human system. 3 Lec/6 Lab.

401Medical Technology Hospital Internship. (8-16) I, II, A. Prerequisite: successful completion of 3 years of the curriculum for the 3-plus-1 medical technology program. Designed for the MT student who is interning at an accredited school of medical technology associated with a hospital. May be retaken for a maximum of 36 semester hours.

411 Clinical Microscopy. (3) I, II. Prerequisite: junior standing. Principles and specific techniques in microscopy including phase, fluorescence, darkfields. Includes application and study of normal tissues, parasites and microorganisms in tissue and clinical materials. 3 Lec.

431 Clinical Correlations. (3) I, II, A. Prerequisite: enrollment in upper division plan and completion of all 300-level CLS courses. Correlates the sub-disciplines of clinical laboratory science. Reviews all areas and stresses laboratory medicine in the health professions.

432 Clinical Chemistry Practicum. (7) I, II, A. Prerequisite: enrollment in upper division plan and completion of all 300-level CLS courses. Diagnostic chemical procedures in an affiliated laboratory.

433 Hematology-Urinalysis Practicum. (5) I, II, A. Prerequisite: enrollment in upper division plan and completion of all 300-level CLS courses. Diagnostic blood morphology and urine studies in an affiliated laboratory.

434 Clinical Microbiology Practicum. (4) I, II, A. Prerequisite: enrollment in upper division plan and completion of all 300-level CLS courses. Clinical bacteriology, parasitology, and mycology in an affiliated laboratory.

435 Blood Bank-Serology Practicum. (3) I, II, A. Prerequisite: enrollment in upper division plan and completion of all 300-level CLS courses. Practical immunohematology and serological tests in an affiliated laboratory.

436 Lab Management Practicum. (1) I, II, A. Prerequisite: enrollment in upper division plan and completion of all 300-level CLS courses. Principles of managing a medical laboratory presented in an affiliated laboratory.

MLT—Medical Laboratory Technician

201 Medical Laboratory Technician I. (3) I, II. Prerequisite: admission to MLT program. Introduction to laboratory studies, including laboratory techniques, laboratory mathematics, urinalysis, venipuncture, immunology, and instrumentation. 4 Comb. Lec/Lab.

202 Medical Laboratory Technician II. (3) I, II. Prerequisite: admission to MLT program. Clinical procedures used in hematology, blood banking, and coagulation. 4 Comb. Lec/Lec.

203 Medical Laboratory Technician III. (3) I, II. Prerequisite: admission to MLT program. Clinical procedures used in clinical chemistry, mycology, and parasitology. 4 Comb. Lec/Lab.

205 Practicum I. (6) I, II. Formerly MLT 204. Prerequisite: MLT 201, 202, 203. Administrative policies, hematology, serology, and blood banking in an affiliated hospital concurrently with MLT 206.

206 Practicum II. (6) I, II. Formerly MLT 204. Prerequisite: MLT 201, 202, 203. Clinical chemistry and microbiology in an affiliated hospital concurrently with MLT 205.

207 Technical Correlations. (3) I, II. Prerequisite: MLT 201, 202, 203. Relationships among MLT topics. Stresses mastery of subdisciplines at technician level, clinical significance and interpretation of lab requests.

ARTICULATION

The Department of Medical Technology allows former MLT students to pursue the MT curriculum (3-plus-1 or upper division) with application of credits earned in the EKU MLT program or equivalent acceptable courses from other accredited programs.

For such students, substitutions may be made as follows:

MLT Curriculum Courses	*MT Curriculum Equivalents*
AHN 200 or other courses outside Department	Restricted Electives (8 hours maximum)
BIO 276	BIO 221
CHE 330	CHE 361 (upper division only)
MLT 201, 202, 203 or 207	CLS 201 and/or elective, BIO 597
MLT 205, 206	Reduced time in practicum or internship by validation of performance objectives

All other courses in the MLT program are in the MT curriculum. Students may also challenge CLS courses by departmental examination.

DEPARTMENT OF

BACCALAUREATE NURSING

Sees, M., Chair; Baugh, Brandenburg, Brashear, Crowley, Davis, Demaree, Egbert, Gale, Harris, Johnson, Kelley, Lowenthal, Marshall, McDowell, McGill, Murray, Pfotenhauer, Salyer, Shawler, Stefaniak, VanArsdale, Walko, Weaver, Webster, Wilson.

Eastern's Baccalaureate Nursing Program, like the Associate Degree Nursing Program described elsewhere in this Catalog, is approved by the Kentucky Board of Nursing and accredited by the National League for Nursing.

The nursing program leading to a baccalaureate degree is four years long. General education in the sciences and liberal arts provides the basis for and is correlated with the major in nursing. More than half of the collegiate program is devoted to a combination of physical, biological and social sciences, and humanities as deemed essential to the preparation of the professional nurse. The nursing component is composed of the instruction in nursing theory and the application of nursing theory in the clinical setting under the guidance of nursing faculty. Thus, nursing is learned through a combination of formal instruction and supervised experiences in hospitals, clinical agencies and a variety of community agencies, but also lays the foundation for graduate study in clinical specialities, research, teaching, supervision and/or administration. Graduates of the baccalaureate program earn a baccalaureate degree in nursing (BSN) and are eligible to write the state licensure examination.

The Baccalaureate Degree Nursing Program is based upon the belief that preparation for professional nursing encompasses a broad, liberal, general, and professional education. Within the framework of Eastern Kentucky University and the College of Allied Health and Nursing, the Department of Baccalaureate Nursing attempts to provide opportunities for the individual to act independently, to think creatively, to communicate effectively, and to serve with enlightenment and imagination. Eastern Kentucky University is located within the foothills of the Appalachian Mountains. Recognizing the influence of culture on health and learning, the department deliberately capitalizes on the location of the institution in its approach to education.

The Department of Baccalaureate Degree Nursing aims to: (1) provide the individual with a broad-based education; (2) prepare professional nurses capable of functioning effectively in varied settings; (3) prepare professional nurses capable of functioning effectively in future emerging roles; (4) instill within the individual a sense of responsibility for continued personal and professional growth; (5) prepare leaders within the profession and society as a whole; and (6) provide the foundation for graduate study in nursing.

The curriculum is organized around a core of general education, selected support courses, and nursing components designed to provide a foundation upon which nursing behaviors are developed. In achieving the program goals, students practice in a variety of settings and utilize the nursing process by drawing on the knowledge of man and his environment and relevant concepts from the biological, physical and social sciences, and the nursing sciences.

Graduates of the program who successfully write the state board examinations are licensed to practice as registered nurses.

PROGRAM OBJECTIVES

Upon completion of the baccalaureate program, the graduate will be able to:

1. synthesize empirical and theoretical knowledge from the physical, biological, behavioral, sociocultural and nursing science and the humanities in the practice of nursing.
2. utilize goal-directed communication to establish and maintain therapeutic relationships.
3. assume ethical and legal accountability for individual nursing practice.
4. utilize teaching/learning theories in meeting health education needs.
5. provide effective nursing care through utilization of the nursing process for people of all ages and stages of development in a variety of settings with varying socioeconomic cultural background with health concerns of varying complexity.
6. contribute to the alteration of the environment to influence health and man's ability to adapt and develop.
7. demonstrate leadership in nursing practice.
8. utilize knowledge from research to improve nursing practice.
9. mobilize, in collaboration with other professionals, the resources of man and environment to insure quality nursing care.
10. function as a change agent to alter health care systems for the improvement of nursing care.
11. contribute to the emerging role of the professional nurse, based on an appreciation of nursing's past and present.
12. assume responsibility for continued growth as a person, as a citizen, and as a professional.

ADMISSION REQUIREMENTS AND PROCEDURES

Students will be admitted in order of priority on the basis of highest cumulative grade point average and the criteria listed below. Students with a cumulative grade point average below 2.5 on a 4.0 scale will not be considered for admission to the Baccalaureate Degree Nursing Program.

Freshmen

All students who are accepted by Eastern Kentucky University Admissions office and declare their major as baccalaureate nursing are admitted to the University as pre-baccalaureate nursing majors. However, admission to the freshman year does not guarantee admission to the first nursing course. To be admitted to the first nursing course, students must have completed the previous semesters of college work, all prerequisite courses with a "C" or better and have maintained a minimum overall grade point average of 2.5 on a 4.0 scale. Admission is limited to space available.

Transfers from Other Colleges and Universities

Transfer students must submit copies of all transcripts along with their applications to the program. These transcripts will be considered a part of the application process and are necessary to determine admission and placement. All grades earned in any course work will enter into the computation of grade point average when applying to the Baccalaureate Nursing Program. Transfer students will compete with generic students for space available on the basis of grade point average.

Students wishing to transfer nursing courses from another accredited baccalaureate nursing program must have a minimum of "C" in the nursing course(s). In addition, the applicant must submit a reference letter from the director of the program and submit complete course outlines and/or syllabi. The material should be submitted well in advance of expected matriculation in order to provide time for necessary evaluation.

PROCEDURE FOR ADMISSION TO THE FIRST NURSING COURSE

At the successful completion of all prerequisite college work, names of students identified as pre-baccalaureate nursing majors will be listed in order of their grade point average. Students will be selected for admission in order of priority on the basis of highest cumulative grade point average until all spaces within the program are filled. Of necessity, this program has limited space available, and preference will be given to Kentucky residents. Out-of-state students will be given appropriate consideration; however, no more than 15% of the class will be non-residents (out-of-state). The number of admissions each semester (two classes annually) is limited, and completion of prerequisites does not ensure acceptance into the program. In the event a student is not accepted into the program in a subsequent semester, the students must notify the Admissions Coordinator, College of Allied Health and Nursing, as soon as possible. Again, the student must compete for space available on the basis of the priority being given to persons with the highest grade point average.

CRITERIA FOR ADMISSION TO FIRST NURSING COURSE

In accordance with the provisions written into the State of Kentucky Nurse Practice Act, the College of Allied Health and Nursing requires that each student be of good moral and ethical character, good mental and physical health, and academically qualified to fulfill the role and responsibilities of a person licensed to practice as a professional nurse.

In addition to these criteria, the student must complete the following before being enrolled in the first nursing course:

1. Complete all support courses listed in the semesters of the curriculum prior to beginning the nursing sequence with a minimum grade of "C".
2. Have a minimum overall grade point average of 2.5 on a 4.0 scale.

PLAN FOR REGISTERED NURSES

The Department of Baccalaureate Nursing offers the opportunity to registered nurses to complete the course of study leading to the Bachelor of Science in Nursing degree. Academic credits earned at other accredited colleges or universities are transferable upon approval of the appropriate department at Eastern Kentucky University. Official transcripts are to be submitted by the student to the office of the Registrar. Credits more than eight years old may not be applied toward the BSN requirements unless approved by the Dean of the College of Allied Health and Nursing. Registered Nurse students are required to take NUR 360, Perspectives of Professional Nursing, as the first nursing course.

Following successful completion of NUR 360, the student is eligible to challenge selected nursing courses.

Nursing

AREA MAJOR, BACHELOR OF SCIENCE IN NURSING

NOTE: The curriculum is presently under revision. The curriculum plan as outlined here is subject to change at any time without prior notice. In planning curricular revision, no student who is moving uninterrupted through the program sequence will be penalized by being required to take additional courses in semesters already completed. However, students

may be held responsible for courses planned for semesters in which the student has not already enrolled, or for courses which could be placed within the remaining semesters without extending the program beyond the four-year period. Students will not be guaranteed placement in the curriculum without penalty of time and/or courses when their program is interrupted by (1) lack of admission into the program, (b) delay due to grade deficiencies in prerequisite courses, (c) failure to meet required grade point averages, (d) leaves of absences.

Major Requirements ..... **50 hours**
NUR 301, 306, 308, 406, 408, 409, 410, 411
Supporting Course Requirements ..... **41 hours**
AHN 350; BIO 171; 273; 301; 378; CHE 105; 106; PSY 202; 280; SOC 131; 245; 353 or PHI 515; NFA 201.
General Education Requirements..... **38 hours**
Standard General Education program, excluding course categories 9, 13, 14, 15, 16, and 19. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **129 hours**

Specific Degree Requirements for Bachelor of Science in Nursing

In addition to the general requirements for the baccalaureate degree, students must earn a minimum grade of "C" (2.0) in all nursing and support courses. Students will be required to sign an agreement upon admission to the program which encompasses professional expectations related to the program.

Course Descriptions

NUR—Nursing

301 Introduction to Professional Nursing. (6) I, II. Corequisite: AHN 350. Fundamental concepts and processes of nursing; development of basic skills in communication/interpersonal relations, problem solving, physical assessment, and selected psychomotor activities. Clinical experiences with patients with uncomplicated health care needs provided.

360 Perspectives in Professional Nursing. (4) A. First major concepts course required of registered nurse students. Course focuses on the changing concepts in professional nursing—nursing theory, nursing roles, and nursing process.

306 Maternal and Child Health Nursing. (10) I, II. Prerequisite: NUR 301, AHN 350. Designed to utilize support courses and nursing concepts in applying the nursing process to the childbearing/childrearing family. Clinical experiences are provided in acute care facilities and in the community.

308 Nursing Care of the Adult. (10) I, II. Prerequisite: NUR 306. Designed to utilize supportive courses and nursing concepts in applying the nursing process to care of the adult in a secondary care setting. Selected clinical experiences required.

406 Seminar in Nursing. (2) I, II. Prerequisite: NUR 308. Study of history, leadership, and current trends in nursing within the context of factors which influences development of health policy, professionalism, nursing practice, and change within the health care system.

408 Nursing Research. (3) I, II. Study of the methods and techniques of research in the solution of nursing problems.

409 Community/Mental Health Nursing. (10) I, II. Prerequisite: NUR 308. Designed to help students provide information and alternatives to individuals, families, and communities in guiding them in solutions to health care. Nursing process will be applied holistically in client situations.

410 Management of Patient Care. (6) I, II. Prerequisite: NUR 409. Theories and methods of client and personnel management. Focus on the reciprocal effects of the professional nurse's preparation and emergent patterns of health care.

411 Special Problems in Nursing. (3) I, II. Prerequisite: NUR 408. Guidance in scientific study of an independent selected nursing problem.

DEPARTMENT OF

ASSOCIATE DEGREE NURSING

_____, Chair; Abrams, Brown, Collins, Harbage, Jinks, Luy, Lynn, Rogers, Shank, Staten, Vance, White, Wisenbaker, Wooton.

Eastern's Associate Degree Nursing Program, like the Baccalaureate Nursing Program described elsewhere in this Catalog, is approved by the Kentucky Board of Nursing and accredited by the National League for Nursing.

The nursing program leading to the associate degree is designed to be completed within two consecutive academic years. General education in the sciences and liberal arts provides the basis for and is correlated with the major in nursing. Approximately one-half of the program is devoted to the physical, biological and social sciences, and humanities. Nursing theory is introduced in the first semester with application of theory in a clinical setting under the guidance of nursing faculty. The program prepares the graduate for first-level nursing positions in a variety of clinical settings. Graduates of the program earn an associate degree in nursing (ASN) and are eligible to write the state licensure examination.

The Department of Associate Degree Nursing, established in 1965, offers a nationally accredited two-year program leading to an Associate of Science in Nursing degree. Upon completion of the program, the graduate is eligible to take the examination for licensure as a registered nurse and practice in first-level positions.

The faculty ascribe to the following beliefs about man, nursing, and education. Holistic man as a biopsychosocial being has innate worth and dignity as an individual with basic needs, rights and responsibilities. Nursing is both an art and science that focuses on basic human needs through use of concepts and principles drawn from the natural, biological, and psychosocial sciences. The art of nursing is made visible by creative application of the nursing process. The practice of nursing is directed toward helping man achieve optimum health-wellness throughout the life-cycle.

Education is a continuous dynamic process which responds to the needs of society and contributes to quality of life. The teaching-learning process, composed of motivation, synthesis of acquired knowledge, understanding, and experience, results in change in behavior. An environment which promotes intellectual curiosity is conducive to the teaching-learning process.

Nursing education occurs in institutions of higher learning. The curriculum provides balance between general education and nursing education courses, moving from the simple to complex, conceptualizing a well-defined theoretical base. Planned clinical experience and client-centered conferences provide the learner with the opportunity to analyze, synthesize, and utilize knowledge for individualized care in the health care setting.

The role of the Associate of Science degree nurse is to function under the guidance of an experienced registered nurse, direct health care personnel with less preparation in aspects of client care, work with individuals within the context of family and community within a controlled setting, function primarily as a systems' utilizer rather than a systems' developer and utilize basic scientific principles and the nursing process in caring for clients with common and recurring illnesses. In keeping with these beliefs, the faculty are committed to provide opportunities for the learner in preparing himself for promoting optimum health in our society.

PROGRAM OBJECTIVES

Upon completion of the program, the graduate can be expected to:

1. Utilize the nursing process as a basis for providing health regimen for clients within a structured health setting.
2. Use communication skills effectively to interact with clients, family, and other members of the health team.
3. Utilize teaching/learning principles when providing health information to clients.
4. Manage health care for clients within a structured setting.
5. Critically evaluate responsibility, whether delegated or assumed, in terms of accountability.
6. Continue those pursuits which will result in growth, personally, professionally, and as a member of the community.

ADMISSIONS REQUIREMENTS AND PROCEDURES

High School students who wish to be considered for admission to the Department of Associate Degree Nursing are advised to apply following completion of their junior year in high school. Other students should apply as early as possible in the semester before the one in which they wish to be considered. The following procedures should be observed:

1. Students not currently enrolled at Eastern Kentucky University should apply to the office of Admissions, specifying that the major field of study will be associate degree nursing. Admission to the University *does not mean* admission to the Department of Associate Degree Nursing. Students currently enrolled at Eastern should apply directly to the Admissions Coordinator, College of Allied Health and Nursing.
2. Application forms for the College of Allied Health and Nursing, Department of Associate Degree Nursing, will be sent to applicants following their acceptance to the University. The following information must be submitted for consideration for admission to the program:
   1. Completed Admission Application Form
   2. American College Testing Program scores (ACT)
   3. High school transcript
   4. High school grade point average
   5. Transcript for university or college work
   6. Evidence of good physical and mental health

It is essential that all of this information be submitted *before* the application for admission can be considered. High school students should check with their high school counselor for application forms, testing dates, and locations for the A.C.T. Other applicants may contact the Office of Institutional Research, Jones Building, Eastern Kentucky University, for information about the A.C.T.

All of the above information must be received by the Admissions Coordinator, College of Allied Health and Nursing, no later than March 15 for the fall class and October 1 for the spring class. Two classes are admitted each year. Notification of acceptance for the fall class will be in April or until the class has been filled. Notification of acceptance for the spring class will be in November or until the class has been filled.

The Department of Associate Degree Nursing has a limited enrollment. The Admissions Committee will consider the data submitted by the applicant, utilizing a scale which gives preference to the more highly qualified candidate. Students must have attained a minimum 2.0 "C" grade point average on all college work attempted and a minimum of 2.0 "C" on college courses to be credited toward meeting requirements of the associate degree nursing curriculum.

Licensed Practical Nurses (LPN's) who are graduates of state approved schools may challenge the first semester nursing course in the curriculum.

The student who is not accepted into the program and wishes to be considered for admission to the next semester must make notification in writing to the Admissions Coordinator.

Nursing

ASSOCIATE OF SCIENCE

Freshman Year ..... 33 hours
ANO 100; BIO 171; 301; 378; CHE 105; ENG 101 and 102, or 105; NFA 201; NUR 115; 125

Sophomore Year ..... 35 hours
BIO 273, PSY 202, SOC 131, NUR 235, 245, 255; 3 hours General Education humanities

Total Curriculum Requirements ..... 68 hours

Specific Degree Requirements for Associate of Science in Nursing

The associate degree nursing curriculum is designed to be completed within two consecutive academic years. It is anticipated that the majority of students will progress through the curriculum as designed. Students will have no longer than eight consecutive semesters (excluding summer) after entry into the nursing sequence to complete the program.

Students must attain a minimum grade point average of 2.0 and have successfully completed the nursing and the support courses in each level with a minimum grade of "C" before progressing to subsequent levels.

Course Descriptions

NUR—Nursing

115 Nursing Concepts Through the Life Cycle I (6) I, II. Theories and concepts of growth and development, communication technique, nutrition, coping mechanisms, and basic needs which are utilized in the process of nursing holistic man throughout the wellness-illness spectrum. Selected clinical experiences required.

125 Nursing Concepts Through the Life Cycle II (6) I, II. Prerequisite: NUR 115. Utilization of concepts learned in NUR 115 while assisting one or two clients to cope with basically common stressors including the start of the life cycle and the expanding family. Selected clinical experience required.

235 Nursing Problems Through the Life Cycle I. (10) I, II. Prerequisite: NUR 125. Expansion of competencies, enabling student to care for one or more adult and child clients experiencing inability to function normally due to commom recurring illness. Selected clinical experience required.

245 Nursing Problems Through the Life Cycle II (10) I, II. Prerequisite: NUR 235. Expansion of competencies, enabling student to care for a group of adult and child clients experiencing inability to function normally due to common recurring illness. Selected clinical experience required.

255 Trends and Issues in Nursing. (2) I, II. Prerequisite: NUR 235. Survey of historical events leading to the present status of nursing. Ethical, legal, and professional responsibilities and opportunities of the nurse as a person, as a nurse, and as a citizen are stressed.

DEPARTMENT OF

OCCUPATIONAL THERAPY

Anderson, J., Chair; Allen, Carey, Griffin, Masagatani, Sagath, Teachman-Sprague, Tindall.

Occupational therapy is the art and science of directing man's participation in selected tasks to restore, reinforce, and enhance performance; to facilitate learning of those skills and functions essential for adaptation and productivity; to diminish or correct pathology; and to promote and maintain health. Reference to occupation in the title is in the context of man's goal-directed use of time, energy, interest,

and attention. Its fundamental concern is the development and maintenance of the capacity throughout the life span, to perform with satisfaction to self and others those tasks and roles essential to productive living, and to the mastery of self and the environment.

Since the primary focus of occupational therapy is the development of adaptive skills and performance capacity, its concern is with factors which serve as barriers of impediments to the individual's ability to function, as well as those factors which promote, influence or enhance performance.

Occupational therapy provides service to those individuals whose abilities to cope with tasks of living are threatened or impaired by developmental deficits, the aging process, poverty and cultural differences, physical injury or illness, or psychologic and social disability.

Occupational therapy is an integral component of today's comprehensive health care concept. The occupational therapist, as a vital member of the health care team, works in concert with qualified physicians, physical and speech therapists, nurses, social workers, psychologists, vocational counselors, teachers, and other specialists.

The occupational therapy program at Eastern Kentucky University was established in 1976 and is jointly accredited by the American Occupational Therapy Association and the American Medical Association Committee on Allied Health Education and Accreditation.

The occupational therapy curriculum is a four-year course of study plus a six-month field experience (off-campus internship) in which students are placed in facilities where occupational therapy is practiced. Following successful completion of the program, including OTS 481, OTS 482 field experience (internship), the graduate is eligible to sit for the national certification examination of the American Occupational Therapy Association.

The curriculum is undergoing revision and requirements will change. Students admitted to the program are advised to keep themselves adequately informed of changes in order not to lose credit. Information on curricula changes can be obtained from the chair of the department.

OBJECTIVES

The Department of Occupational Therapy is committed to the education of the future occupational therapist as a generalist. The generalist must be qualified and prepared for practice in a variety of modes of health care delivery to service a wide range of client disabilities and age ranges.

Upon successful completion of the baccalaureate program including six months of field experience (internship), the graduate will:

1. understand the theoretical bases of occupational therapy;
2. understand and demonstrate the occupational therapy process (assessment, program planning, treatment, discontinuation);
3. understand and demonstrate skill in occupational therapy service management;
4. understand and apply problem-solving methods;
5. communicate effectively with others;
6. demonstrate adaptability and flexibility;
7. demonstrate sensitivity to the needs and feelings of others;
8. respect self and others regarding rights and dignity;
9. function as an independent health practitioner; and
10. realize need for and seek continued learning.

ADMISSON REQUIREMENTS

Students shall be admitted once a year to the Occupational Therapy Program for the spring semester, sophomore year. Candidates shall be chosen by random selection from applicants who have met the criteria listed below. Students with a cumulative GPA below 2.5 on a 4.0 scale, will not be considered for admission to the Occupational Therapy Program.

Pre-Occupational Therapy

All students who are accepted by Eastern Kentucky University Admissions Office and declare their major as occupational therapy are admitted to the University as pre-occupational therapy students. However, admission to pre-occupational therapy does not guarantee admission to the professional Occupational Therapy Program which begins spring semester, sophomore year. To be eligible for application to the program, students must have completed a minimum of two semesters of college work, prerequisite courses, and have maintained a minimum overall GPA of 2.5 on a 4.0 scale.

Refer to the General Academic Information section of this Catalog for general admission requirements for Eastern Kentucky University and the general admission policies for the College of Allied Health and Nursing.

Tranfer Students from Other Colleges and Universities

A transfer student must submit copies of all official transcripts along with his application to the program. These transcripts will be considered a part of the application process and are necessary to determine admission and placement.

ADMISSION PROCEDURES

Students should apply to the Department of Occupational Therapy by October 15th for the following spring semester. Applicants are to provide a list of courses that they expect to complete prior to admission to the Occupational Therapy Program. Of necessity, the number of admissions annually is limited and completion of prerequisites does not ensure acceptance into the program. In the event a student is not accepted into the program, the student who wishes to reapply for the next year must submit a new application to the Department of Occupational Therapy.

Students shall be notified of admission status in writing by December 1st. The student who wishes to accept the admission to the program must notify the Department of Occupational Therapy of acceptance in writing by December 10th. If mailed, the notification must be postmarked not later than December 10th.

CRITERIA FOR ELIGIBILITY FOR ADMISSION

1. Students must complete a minimum of 30 hours of college credit before application to the Occupational Therapy Program.
2. Students must have a cumulative GPA of 2.5 on a 4.0 scale at time of application.
3. Students must have a minimum of 2.0 in all supporting courses.
4. The following courses are prerequisite courses for application to the program: A minimum of 3 semester hours or its equivalent in Human Anatomy with a lab (BIO 171), in Human Physiology (BIO 301), in General Psychology (PSY 202), and 6 semester hours of freshman English (ENG 101, 102, or 105).

PROGRESSION IN THE PROGRAM

In order for students to follow the established progression of the program sequence, they must meet all prerequisites with a "C" or better before enrolling in any occupational therapy course.

RETENTION/READMISISON IN THE PROGRAM

Students must meet the following criteria in order to be retained in the program:*

1. Maintain an overall GPA of 2.0 on a 4.0 scale.
2. Complete all major and support courses with a minimum of a "C" after two attempts.
3. Follow the departmental leave of absence procedures when it is necessary for the student to temporarily leave the Program.

*Dismissal from the University will automatically be considered dismissal from the Occupational Therapy Program. Students not retained in the program either voluntarily or by not meeting the above criteria must petition for readmission in writing to the Admission and Retention Committee.

LEAVE OF ABSENCE

Students may be granted a leave of absence from the Occupational Therapy Program for a maximum of one year. Students granted a leave of absence from the Program must follow the readmission requirements of Eastern Kentucky University and College of Allied Health and Nursing when re-entering the program even though they do not need to re-apply to the Occupational Therapy Program.

APPEALS

Students have the right to appeal decisions related to admissions, progression, or retention to the Admission and Retention Committee. Appeals procedures are available from the Department of Occupational Therapy.

Occupational Therapy

AREA MAJOR, BACHELOR SCIENCE

Major Requirements ..... 60 hours
OTS 111, 232, 331, 332, 341, 342, 351, 352, 362, 431, 432, 441, 442, 451, 452, 471, 478, 481 and 482 (6 months off-campus internship).

Supporting Course Requirements ..... 34 hours
EMC 102, BIO 171, 301, 371, IET 141, PSY 202, 308, 312, 314, SED 341, SOC 232

General Education Requirements..... 46 hours
Standard General Education program, excluding course categories 13, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... 140 hours

Course Descriptions

OTS—Occupational Therapy

111 Creative Approaches in Occupational Therapy. (1) I, II. Introduction to occupational therapy and the many facets of the profession through lectures, audio-visual aids, a community project, and literature.

232 Foundations of Occupational Therapy. (3) II. Prerequisite: acceptance into professional program. Basic skills and concepts of occupational therapy will be considered as a foundation for the student's management of self and others in the therapeutic environment.

331 Therapeutic Media. (2) II. Prerequisite: acceptance into professional program. Basic techniques, activity analysis, adaptation, and therapeutic application of copper tooling, mosaics, leatherwork, various minor crafts and activities. 3 Lec/Lab.

332 Therapeutic Skills. (2) I. Prerequisite: acceptance into the professional program. Basic techniques, adaptations and therapeutic application of ceramics, weaving, recreational activities, adaptive equipment, and vocational assessments. Work and play, as they relate to occupational therapy, are discussed. 3 Lec/Lab.

341 Level I Field Work Experience — Experience I. (2) I. Prerequisites: EMC 102, OTS 232, concurrent with or following OTS 351. Students will be assigned to a variety of agencies having clients with psycho-social disorders and/or developmental disabilities. 4-6 Lab.

342 Level I Field Work Experience — Experience II. (2) II. Prerequisites: OTS 232, OTS 341, concurrent with or following OTS 352. Students will be assigned to a variety of agencies having pediatric clients with physical, emotional, behavioral, or developmental difficulties. 4-6 Lab.

351 Psycho-Social Dysfunction. (5) I. Prerequisites: OTS 232, PSY 308. Occupational therapy theory and process (assessment, program planning, treatment, discontinuation) as related to psycho-social disorders and developmental disabilities. 4 Lec/2 Lab.

352 Pediatrics. (5) II. Prerequisites: BIO 371, PSY 312, OTS 232. Occupational therapy theory and process (assessment, program planning, treatment, discontinuation) as related to pediatrics. 4 Lec/2 Lab.

362 Human Motion and Its Pathology. (3) I. Prerequisites: acceptance into professional curriculum, BIO 171, BIO 301. Kinetics of normal and abnormal motion of the musculoskeletal system will be discussed. Included are evaluation procedures for muscle strength and range of motion. 2 Lec/2 Lab.

431 Splinting and Adapted Equipment. (3) II. Prerequisites: IET 141, OTS 332, concurrent or following OTS 471. Design and fabrication of various splints and adaptive equipment.

432 Research Methodology in Occupational Therapy. (3) II. Prerequisites: senior standing in professional program. Students will learn to be consumers of research data, conduct literature searches, utilize various methods of data collections, and prepare an experimental research proposal in an occupational therapy area.

441 Level I Field Work Experience — Experience III. (2) I. Prerequisites: OTS 342, concurrent with or following OTS 471. Students will be assigned to agencies having clients with physical dysfunction or problems of aging. 4-6 Lab.

442 Level I Field Work Experience — Experience IV. (2) II. Prerequisites: OTS 441, OTS 471, concurrent with or following OTS 452. Students will be assigned to agencies having clients with physical dysfunction or problems of aging. Client program planning will be emphasized. 4-6 Lab.

451 Sensory Integration. (3) I. Prerequisites: BIO 371, PSY 312, acceptance into professional program. Introduction to sensory-motor integration theory, including neurobiological bases, evaluation, and treatment planning related to various physical and psychosocial areas. 4 Lec/Lab.

452 Occupational Therapy and Gerontology. (2) II. Prerequisites: OTS 351, OTS 471. Occupational therapy in gerontology including theories of aging, normal physiological and psychological changes of aging, specific disease entities, common problems of the aging population, and occupational therapy intervention. 2 Lec.

471 Physical Dysfunction. (5) I. Prerequisites: OTS 352, OTS 362. Occupational therapy theory and process (assessment, program planning, treatment, and discontinuation) as related to physical dysfunction. 4 Lec/2 Lab.

478 Occupational Therapy Organization and Administration. (3) II. Prerequisites: OTS 351, OTS 471. Basic skills in administration (planning, organizing, directing, controlling). Students will develop a model occupational therapy department for a local health care facility. Health trends and legal issues will be discussed. 2 Lec/2 Lab.

481 Field Experience (Internship). (6) A. Prerequisites: completion of all occupational therapy and support courses, instructor approval. Three months field experience in a facility where occupational therapy is practiced.

482 Field Experience (Internship). (6) A. Prerequisites: OTS 481, instructor approval. Three months field experience in a facility where occupational therapy is practiced.

INTERDISCIPLINARY COURSES

AHN—Allied Health & Nursing

100 Introduction to the Health Science Field. (3) I, II. The history of medicine and the allied health professions; organizational patterns and functions of various health care institutions and agencies; roles of health care professionals and trends in health care delivery.

200 Medical Terminology I. (3) I, II, A. A beginning course offering a basic medical vocabulary to allied health, premedical, pre-veterinary, and nursing students. The emphasis is on prefixes, suffixes, roots, and symptomatic terms of body systems.

201 Medical Terminology II. (3) I, II. Prerequisite: AHN 200. Includes surgical instruments and procedures, diseases, laboratory tests, clinical procedures, and abbreviations for each system. Terms related to cancer medicine, radiology, nuclear medicine, pharmacology, psychiatry, systemic disorders, and autopsy procedures will be included.

210 Special Problems in Allied Health and Nursing. (1-3) A. Prerequisite: advisor/departmental chair approval. For independent work, special workshops, or a special topic. May be repeated for a maximum of 6 hours.

240 Introduction to Electrocardiography. (3) II. Prerequisite: Instructor approval. A study of the anatomy and electrophysiology of the heart. Proficiency in operation of equipment and techniques of obtaining ECG are required. Basic interpretation principles for normal and abnormal ECG patterns are included.

332 Legal Principles for Health Care Professionals. (2) I, II. This course will cover the basic aspects of the practice of law and its implications for health care workers. The course will cover malpractice, consents, contracts, and individual rights.

349 Cooperative Study: Allied Health and Nursing. (1-8) A. Work, under faculty and field supervisors, in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 8, associate; 16, baccalaureate. Minimum 80 hours work re-

quired for each academic credit.

350 Pathophysiology. (4) I, II. Prerequisites: BIO 171, 273, 301, 378, CHE 105, 106, or permission of instructor. A study of the interdependent physiologic mechanisms which maintain homeostasis in the human system. The focus is on alterations occurring as a cause or result of disease processes from the cellular to body system level.

410 Special Problems in Allied Health and Nursing. (1-3) A. Prerequisite: advisor/departmental chair approval. For independent work, special workshop, or special topic. May be repeated for a maximum of 6 hours.

420. Special Topics for Health Professions. (1-2) A. Prerequisite: senior standing and/or approval of instructor. Topics of current interest to students enrolled in health professions. Students may enroll for a maximum of 6 hours.

450 Seminar in the Disease Process and Implications I. (2) I, II. Prerequisite: completion of, or current enrollment in, BIO 171 and 301 and instructor approval. Theory and research in pathophysiology of the disease process. Emphasis on in-depth study of the most prevalent, major diseases of man and their management through surgical intervention.

460 Seminar in the Disease Process and Implications II. (2) II. Prerequisite: completion of, or current enrollment in, BIO 171 and 301 and instructor approval. Theory and research in pathophysiology of the disease process. Emphasis on in-depth study of the most prevalent, major diseases of man and their management through medical intervention.

510 Physical Assessment. (4) A. Prerequisite: instructor approval. Techniques used in performing a physical examination. Introduces the student to techniques used in eliciting patient histories. Graduate students complete a detailed case history.

531 Human Genetics and its Implications for Health Care. (3) A. Prerequisite: One year of chemistry and biology or instructor approval. A study of the chromosomal basis of heredity, bio-chemical genetics, immunological disorders, and blood groups. Graduate students will be required to present a (mid-metaphase) human chromosomal analysis.

532 Principles of Genetic Counseling. (3) A. Prerequisite: AHN 531 or instructor approval. The role of the physician and medical geneticist and the health care worker in genetic counseling. Topics in genetic principles, probability, linkage, paternity, consanguinity, penetrance and empiric risk counseling, prenatal diagnosis, and consequences of genetic counseling. Graduate students will present a case study.

550 Pathophysiology. (3) A. Prerequisite: instructor approval. Emphasis on in-depth study of the more prevalent, major diseases of man and their management.

570 Health Care of the Aged. (3) A. Theories of gerontology; common health problems of the aged; focus on quality health care.

COLLEGE OF APPLIED ARTS AND TECHNOLOGY

KENNETH S. HANSSON, Dean

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The specific purposes of the College of Applied Arts and Technology are stated in their order of emphasis: 1) to provide selected instructional programs for the preparation of people for careers in the applied arts and technologies; 2) to contribute to the professional growth of individuals in their careers and to the elevation of technical disciplines through public service; and 3) to intensify and broaden the base of knowledge within the applied arts and technologies through research.

The College of Applied Arts and Technology seeks to fulfill its purpose related to instruction by offering a variety of associate, baccalaureate, masters, and a specialist degree program in four departments: Agriculture, Home Economics, Industrial Education and Technology, and Mass Communications. The Department of Military Science, offering alternative primary or secondary career opportunities to qualified men and women of all academic majors, is also a significant unit of the college.

The College is committed to the career-ladder concept by providing opportunities for students enrolled in, or completing the associate (two-year) degree programs, to transfer to a corresponding baccalaureate program within the same department with little or no loss of credits.

The Department of Agriculture administers two-year programs designed to prepare technicians for agriculture-related occupations. The Associate of Science Degree is awarded to students who successfully complete the prescribed programs in agricultural mechanization, beef herd management, dairy herd management, floriculture and floristry, ornamental horticulture, and a turf management option in ornamental horticulture. The Department offers baccalaureate programs with majors in technical agriculture and technical horticulture. The Department also administers the pre-veterinary medicine curriculum.

The Department of Home Economics offers baccalaureate programs to prepare teachers for vocational home economics and general home economics, as well as to become specialists in child and family development, dietetics, fashion, food service administration, and textiles. Under the College of Applied Arts and Technology, the interdisciplinary program which leads to a baccalaureate degree in interior design is also administered by this department. Associate degree programs are provided in child care, nutrition care, homemaking supervision, and interior design. The Department also offers a graduate program leading to the Master of Science in community nutrition.

The Department of Industrial Education and Technology administers baccalaureate degree programs to prepare industrial arts teachers for secondary schools, vocational-industrial and technical teachers for vocational-technical schools, manual arts therapists and technicians and technologists for the manufacturing and construction industry. Associate of Science degree programs are offered in vocational-industrial and technical education, broadcast engineering, computer electronics, drafting and design, electrical power, industrial electronics, printing, quality assurance, and wood technology. The Department also offers graduate programs leading to the Master of Science and the Specialist in Technology degrees in industrial education and the Master of Science degree in industrial technology.

The Department of Mass Communications provides baccalaureate degree programs designed to aid students to become effective and responsible practitioners in the various areas of broadcasting, journalism, and public relations.

The Department of Military Science does not offer a degree program, but it provides opportunities for leadership development for students from all majors and military commissions in the active Army, National Guard, or U.S. Army Reserve for those who qualify. Students may minor in military science.

The College offers a large number of extended campus classes and encourages its faculty to provide consultative services for the public good. In addition, the College is engaged in special projects designed for public service and research in the applied arts and technologies.

Courses numbered in the 500 series are open to seniors and graduate students who meet course and program prerequisites. *Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduate.* Courses numbered in the 600 series are open only to graduate students.

While specific requirements for each degree are found in the appropriate departmental presentations, the Academic Orientation Course, ATO 100, is common to all programs.

ATO 100. Academic Orientation. One hour. I. Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, catalog details, registration and preregistration, various career opportunities, and program requirements. Not open to students with more than 30 semester hours.

PLANNED CURRICULUM

Upon completion of 60 hours, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by consulting the faculty advisor in the major department. Teaching majors must have been admitted to the Teacher Education Program prior to the preparation of a planned curriculum. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor.

APPLICATION FOR GRADUATION

Students must file an application for graduation in the

dean's office no later than April 30 for December graduation and no later than October 31 for either May or August graduation. It will be the student's own responsibility to plan and register for the proper courses to meet all graduation requirements.

DEPARTMENT OF
AGRICULTURE

Barkley, D., Chair; Black, Britt, Hayes, Horn, Householder, Judge, Knight, Lay, Stocker.

The Department of Agriculture offers curricula to provide programs for the education of technicians for careers in agricultural occupations, to develop new programs to meet the needs of rapidly developing technology and to provide work experience as a part of technical education.

The primary purpose of educating students to become agricultural technicians is accomplished by developing their ability: (1 to attain job entry competence between the skilled and professional levels; (2 to work independently or with minimal supervision; (3 to analyze and interpret information, diagnose problems, make decisions; (4 to make practical applications of theoretical knowledge in performing specific tasks in a specialized field; and 5) to exercise cognitive skills, yet be able to supervise and perform manipulative skills.

Agriculture

MAJOR IN TECHNICAL AGRICULTURE, BACHELOR OF SCIENCE

MAJOR REQUIREMENTS

First Major with Supporting Minor ..... 52-53 hours
Practicum 4 hours* plus AGR core courses: AGR 125 or 270; 130; 210; 213; 215; 310 and 411 and 9 to 10 hours AGR/OHO electives. Minor: ACC 201 and 202; 6 hours of business administration; ECO 230, and 231**.

Area Major With Options..... Minimum of 48 hours
ACC 201***, 6 hours business administration and the following core courses: AGR 125 or 270; 130; 210; 213; 215; 310 and 411, plus one option from the following list, (30-31 hours)

Options

Agricultural Mechanization: Practicum 4 hours*; AGR 272; 382; 383; 392 or 394. (16 hours)

Agronomy and Natural Resources: Practicum 4 hours*; AGR 221; 315; 340; 312 or 344; 416. (19 hours).

Dairy Herd Management: Practicum 4 hours*, AGR 221, 225, 375, 380. (19 hours)

Farm Management: Practicum 4 hours*, AGR 221, 315, 440, plus 5 hours electives in AGR and/or OHO. (18 hours)

Livestock Production: Practicum 4 hours*, AGR 221, 225, 327, 328, 440. (22 hours)

Soils: AGR 312 or 344; AGR 315; 317, 318; 340; 416 or GLY 414 plus 2 to 3 hours electives in AGR and/or OHO. (17-18 hours)

Vo-Ag Preparatory**
Vocational Agriculture Teacher certification requires agriculture or ornamental horticulture coursework distributed as follows: ACC 108, AGR core 30-31 hours, AGR or OHO electives 2-3 hours; Agriculture Mechanics 2 hours; Practicum 4 hours**; Livestock Production 3 hours; Plant Science 2 hours; Soils 3 hours (50 hours)

General Education Requirements..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives..... 21-25 hours
Total Curriculum Requirements ..... 128 hours

*Practicum courses are AGR 301, 302, 349, and/or OHO 349.
**Other established business area minors are available in economics and data processing, and 18 hour combinations or concentrations of courses are available in the College of Business in finance, marketing, management, real estate, accounting, secretarial science, and office administration.
Minor in other disciplines may be substituted with approval of the Chair of the Department of Agriculture and the Dean of the College of Applied Arts and Technology.
***Courses in other disciplines may be substituted with approval of the Chair of the Department of Agriculture and the Dean of the College of Applied Arts and Technology.
****Vo-Ag certification requires the student to complete the professional and student teaching semester at another Kentucky university. A student may take this semester's work during his eighth semester at Eastern and transfer those credits (up to 18) back to Eastern as electives applicable to the Bachelor of Science degree in agriculture.

Horticulture

MAJOR IN TECHNICAL HORTICULTURE, BACHELOR OF SCIENCE

MAJOR REQUIREMENTS

First Major With Supporting Minor..... 49 hours
Practicum four hours,* plus OHO Core courses: OHO 131; 214; 271; 351; 384 or 385; 391; AGR 215; 411. Minor: ACC 201 and 202; 6 hours business administration; ECO 230 and 231**.

Area Major with Options ..... 50 hours
ACC 201,*** 6 hours business administration; AGR 210,****, 215, 411 and the following core courses: OHO Practicum 3 hours; core courses: OHO 131, 214, 271, 351, plus 1 option from the following list. (35 hours)

Options

Ornamental Horticulture: AGR 315; OHO 261; 262; 384 or 385; 302 or 389; 391 (15 hours).

Turfgrass Production: AGR 313, OHO 302J, 352, 353, 362G, 362I, plus 3 hours electives in AGR and/or OHO (15 hours).

General Education Requirements..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 23 hours
Total Curriculum Requirements ..... 128 hours

*Practicum courses are OHO 301, 302, 349, and 389.
**Other established business area minors are available in economics and data processing in 18 hour combinations or concentrations of courses in the College of Business in finance, marketing, management, real estate, accounting, secretarial science, office administration, and insurance.
***Courses in other disciplines may be substituted with approval of the Chair of the Department of Agriculture and the Dean of the College of Applied Arts and Technology.
****May substitute other approved agriculture course if student has demonstrated proficiency in application of mathematics.

Horticulture

AREA MAJOR WITH OPTION IN HORTICULTURE THERAPY, BACHELOR OF SCIENCE

Major Requirements..... 59 hours
36 hours in horticulture or agriculture, including AGR 215, 315, OHO 131, 214, 271, 6 hours in OHO Production*, and 12 hours in OHO 349 (minimum of 1,000 hours internship); PSY 211, 308, and 17 hours in SED, RHB, OTS.

General Education Requirements..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 14 hours
Total Curriculum Requirements ..... 128 hours

*OHO Production courses are OHO 283, 373, 384, 385, and 386.

MINOR IN AGRICULTURE

A minor consists of 18 hours of agriculture, ornamental horticulture (including turfgrass option) arranged between the

department chair and the student seeking the minor. The objective is to meet the student's need for taking a minor in these areas. However, 6 or more hours shall be upper division courses.

MINOR IN SOILS

A core of courses in soils may be taken for a minor in soils. Courses are: AGR 130, 215, 315, 317, 318, 340, and 416 or GLY 414.

Agricultural Mechanization

ASSOCIATE OF SCIENCE

A student receiving an Associate of Science Degree in Agricultural mechanization will have had a background of training in the areas of communications, business, and agriculture, in addition to technical training in agricultural mechanization. Graduates will be qualified to seek employment in agricultural business in the areas of sales, parts, assembly, and repair of agricultural equipment.

Major Requirements ..... 37 hours
AGR 125; 210*; 213; 242; 263; 272; 302**; (3 hours) 382; 383; 392 or 394; 410;*** electives (7 hours).
Supporting Course Requirements ..... 9 hours
ACC 201, ECO or Bus. Adm., three hours; SPE 100
General Education Requirements..... 18 hours
ATO 100; ENG 101 and 102, or 105; HPR 180 and 181; 5 hours General Education electives, 4 semester hours of restricted electives. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... 64 hours

*May substitute other approved agriculture class if student has demonstrated proficiency in application of mathematics.
**Three hours of AGR 302 and 1 hour of AGR 410 may be replaced by AGR 349, (4 hours) Cooperative Education with consent of student's advisor.
***Selected with consent of advisor.

Beef Herd Management

ASSOCIATE OF SCIENCE

Upon completion of this curriculum, the student will be in a position to operate a beef production enterprise, to make management decisions, and to select those systems of breeding, feeding, and management that best suit a particular environmental and economic situation related to raising beef cattle.

Major Requirements ..... 43 hours
AGR 125, 130, 210*, 213, 221, 225, 302,** (9 hours) 310, 327, 330, electives (4 hours).
General Education Requirements..... 21 hours
ATO 100; ENG 101, 102, or 105; HPR 180; 181; BIO 160 or 162; electives (5 hours); 4 hours restricted electives. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... 64 hours

*May substitute other approved Agriculture class if student has demonstrated proficiency in application of mathematics.
**Four hours of approved AGR 349, Cooperative Education, may be substituted for 3 hours of AGR 302.

Dairy Herd Management

ASSOCIATE OF SCIENCE

The primary purpose of this curriculum is to give the student a deep insight into the technical management of dairy cattle herds. The training will qualify graduates to work with dairy herds or with related agricultural industries in the areas of sales and service.

Major Requirements ..... 43 hours
AGR 130, 210,* 213, 221, 225, 270, 302,** (nine hours) 310, 380, electives (4 hours).
General Education Requirements..... 21 hours
ATO 100; ENG 101, 102, or 105; HPR 180; 181; BIO 160 or 162; General Education electives (5 hours); 4 hours of restricted electives. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... 64 hours

*May substitute other approved agriculture class if student has demonstrated proficiency in mathematics.
**Four hours of approved AGR 349. Cooperative Education, may be substituted for 3 hours of AGR 302.

Floriculture and Floristry

ASSOCIATE OF SCIENCE

A curriculum which prepares students in plant propagation, greenhouse management, greenhouse floral production, floral design, and floral shop operations. Graduates will qualify as technical workers in greenhouse growing operations, florist shops, garden centers, or may organize their own floriculture business.

Major Requirements ..... 37 hours
AGR 210,* 215, 263, OHO 131, 214, 349 (4 hours), 362E, 363, 384, 385, 388, 389, electives (3 hours)
Supporting Course Requirements ..... 6 hours
ACC 201, Bus. Adm. or ECO (3 hours)
General Education Requirements..... 21 hours
ATO 100; ENG 101, 102, or 105; HPR 180; 181; General Education electives (8 hours); 4 hours restricted electives. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... 64 hours

*May substitute other approved agriculture course if student has demonstrated proficiency in application of mathematics.

Ornamental Horticulture

ASSOCIATE OF SCIENCE

This curriculum trains students in plant propagation, nursery and greenhouse operation and production, principles of landscape design, and maintenance of landscapes. Graduates will qualify as technical workers in nursery and greenhouse businesses, recreational organizations, state highway and parks departments, and other institutions and businesses involved with ornamental plantings. They may also organize a private service.

Major Requirements ..... 40 hours
AGR 210;* 215; 263; OHO 131; 214; 261 or 262; 271; 349 (4 hours), 388; 389 or 302; 391; production electives** (3 hours); electives (3 hours).
Supporting Course Requirements ..... 3 hours
ACC 201

General Education Requirements ..... **21 hours**
ATO 100; ENG 101, 102, or 105; HPR 180; 181; CHE 101; General Education electives (4 hours); 4 hours of restricted electives. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **64 hours**

*May substitute other approved agriculture course if student has demonstrated proficiency in application of mathematics.
**OHO Production electives are: 283, 373, 384, 385, 386.

Turf Management

ASSOCIATE OF SCIENCE

This curriculum is designed to prepare students for specialized technical work on golf courses, parks, sod farms, institutional and commercial grounds, highway landscapes, memorial grounds, and lawn service crews. Graduates would also be eligible for positions in turf-related industries where a knowledge of turf production is required.

Major Requirements ..... **40 hours**
AGR 213, 215, 263, 313, OHO 131, 271, 302J, 349, 351, 352, 353, 362G, 362I, electives (3 hours).
Supporting Course Requirements ..... **23 hours**
ACC 201
General Education Requirements ..... **21 hours**
ATO 100; ENG 101, 102, or 105; HPR 180; 181; CHE 101; SPE 100, General Education elective (1 hour), 4 hours restricted electives. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **64 hours**

Pre-Veterinary Medicine

A limited number of students (currently 45) who are legal residents of Kentucky and have completed Pre-Veterinary requirements are selected by Auburn or Tuskegee Institute each year to enter professional training in veterinary medicine at the respective schools. Students enter the four-year program of the transfer institution at the beginning of the fall term each year and are approved for succeeding years so long as normal progress is made toward the degree in veterinary medicine. These students are exempt from out-of-state tuition at Auburn.

The study of veterinary medicine is made available to Kentucky residents by an appropriation of the General Assembly to the Kentucky Council on Public Higher Education which administers the program in cooperation with the Southern Regional Education Board and the two above named institutions.

Each of the two transfer schools have essentially the same entrance requirements and each requires a minimum grade point average of 2.5 on a four point scale. Tuskegee also requires results from the VAT before acceptance. A student should work closely with the pre-vet advisor concerning his program and should have a grade point average of 3.0 to be competitive.

All course work must be completed by June 15 prior to fall admission to the school of veterinary medicine. A grade of "D" in any required course is not accepted. Substitution of courses must be approved by the veterinary school to which application is to be made. All course requirements must be met and certain courses in the sciences (organic chemistry, physics, genetics, and microbiology) must have been taken within six years of entry into the School of Veterinary Medicine.

Application to veterinary schools under the Kentucky program is made beginning in the fall of the year preceeding that of admission. The deadline for applications is usually October 15th. Students should follow application instructions regarding updating of their transcripts and course work at the school to which they apply.

A pre-vet student at Eastern has the following alternatives as he proceeds through the program of study.

1. Complete the pre-vet curriculum in three years and apply for admission into a school for veterinary medicine. He may receive a B.S. degree from Eastern by transferring credits from his first year of veterinary school back to Eastern.
2. Earn a Bachelor of Science degree at Eastern with an agriculture, biology, chemistry, or other appropriate major during the fourth year after completing the pre-veterinary curriculum.
3. At any time, change from the pre-veterinary curriculum to the above majors and graduate with a B.S. degree with no loss of credit.

Students are expected to gain practical large animal experience during the course of pre-vet study, either on the university farm or with a D.V.M. The pre-vet advisor can assist in arranging for this experience.

The following curriculum may be completed in three years after which the student is then eligible to apply for admission to Auburn or Tuskegee.

ATO 100; AGR 125; 221; 372A; 421; AHN 200**; BIO 131; 141; 211; 221; 315; CHE 111; 112; 361; 362; 365; ENG 101, 102, or 105; GSS 246, 247 or HIS 231, 232; HPR 180; 181; MAT 109*; 121; PHY 131; 132; POL 101, humanities and social science electives 9 hours; 8 hours of restricted electives. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **102 hours**

*Qualified students may by-pass MAT 109; students with insufficient mathematics background may take MAT 107 and 108.
**Six hours of foreign language may substitute.

Course Descriptions

AGR—Agriculture

110 An Introduction to American Agriculture. (2) I. The agriculture industry in the United States from significant past events to current status. Complexities of laws and regulations and their influence on the farmer's ability to produce for U.S. and World Markets.

125 Principles of Animal Science. (4) I. Formerly AGR 25. Management and production practices of livestock enterprises; types, market classes, and grades of beef cattle, sheep, and swine, and the breeds and products of dairy cattle.

130 Principles of Agronomy. (4) I. Principles of plant growth, reproduction, crop-soil relationships. Provides foundations of information for further study in field crop production and soil management.

210 Agricultural Measurements. (2) A. Measuring and computing areas of land, volumes and capacities of buildings, and feed structures, spray mixtures, fertilizer needs, parts per million, feed rations and other measurement situations encountered on the farm, techniques of metric conversion.

213 Principles of Agricultural Mechanics. (4) I, II. Principles of operation, maintenance, and repair of gasoline engines and electrical motors; basic electrical circuits and electrical controls for agricultural mechanization systems and power requirements for agricultural structures; theoretical and practical experience.

215 Principles of Soils. (3) I, II. Formerly AGR 30 and 315. Soil origin, classification and properties; soil conservation; soil microorganisms; organic matter; soil water; soil minerals; lime, commercial fertilizers, soil erosion, soil management. Students receive field experience.

221 Feeds and Feeding. (4) A. Formerly AGR 31 and 321. Feeds used in livestock feeding; including harvesting, storage, feeding characteristics, and ration formulation from these feedstuffs.

225 Evaluation and Selection of Livestock. (3) II. An evaluation of dairy cattle, beef cattle, swine and sheep; use of records, body type ratings, and carcass information as they relate to functional anat-

omy and efficiency of production; sire selection and pedigree interpretation.

242 Safety Practices and Agriculture Equipment Operation. (3) A. The study of safety for effective use of equipment and supervised practice, using new equipment that could be expected to be found on a well equipped farm.

243 Agricultural Sociology. (3) A. Formerly SOC 114. Social organization of individuals and groups of individuals involved in the pursuit of rural and non-urban life. Historical and present trends in agriculture; processes of technological development and how rural people adopt to change.

250 Light Horse Production and Management. (3) A. History and role of equine industry, breeds of horses and ponies for work and pleasure. Includes management, breeding, pests and care of horses.

263 Seminar in Technical Agriculture. (1) II. For 2 and 4 year students who want to study problems in technical agriculture in depth.

270 Farm Dairy Production. (5) II. Formerly AGR 223. The dairy cow and her requirements in meeting her potential milk production; principles of milk production; basic practices of feeding, sanitation, housing, dairy cow selection, and production records.

272 Principles of Agricultural Machinery. (3) II. Selection, operation, and maintenance of agricultural machinery used in the production and processing of agricultural products. Student experiences assembling different types of new farm machinery and reconditioning old machinery.

293 Livestock Herdsmanship. (3) A. Basic herdsmen skills and techniques. Student receives experience in grooming, dehorning, castration, artificial insemination, branding, tattooing, vaccination, blood sampling, implanting, performance testing, records, sanitation practices, etc.

300 Travel Study in Agriculture Technology. (3-6) A. A travel course for groups and individuals in agriculture and horticulture to study new and emerging technologies in agriculture and horticulture; structural organizations of agricultural enterprises and professional and inter-personal relationships. May be repeated once.

***301 Directed work experience. (1-4) I, II.** Cross listed as OHO 301. Formerly AGR 201. A minimum of 3 hours per week of work on the college farm or an approved farm. Two months of full-time employment in an approved agri-business may be substituted for the work requirement.

302 Directed Work Experience — Management Practicum. (3) I, II. Student will schedule 9 hours of work per week during the semester on a University farm to practice management and production skills related to a livestock herd or machinery operations. Options may be taken for a maximum of 12 hours.

302A Agricultural Mechanization Option
302B Beef Cattle Option
302C Swine Option
302D Dairy Cattle Option
302E Crops Option

310 Principles of Farm Management. (3) II. Formerly AGR 345. Organization and management of farms; cost of production; profits; types of farming; soil management, cropping systems and livestock enterprises.

312 Advanced Crops; Forage Crops. (3) II. Cultural practices and principles of forage crops, especially grasses and legumes suited to Kentucky farms.

313 Methods of Using Agricultural Chemicals. (3) I. The chemicals and physical properties of agricultural chemicals, their uses and effects on plants, and their toxicity to man and animals. The student experiences work in formulations, calibration of equipment, and methods of application.

314 Integrated Crop Pest Management. (3) A. The nature of undesireable organisms or pests that plague the producer of food and fiber crops. Emphasis will be on the implementation of integrated pest management programs designed to minimize pest damage.

315 Technical Soils Laboratory. (2) I, II. Prerequisite: AGR 215. A soils skill course, recognizing physical characteristics of soils, study of soil types, reading a soil survey map, soil sampling and testing, determining amounts of lime and fertilizer, and applying soil conservation practices.

317 Soil Classification and Morphology. (2) A, I. Comprehensive soil survey system, identifying physical properties and acidity of the epipedons and subhorizons of the soil profile and assigning classification designations.

318 Soil and Water Relationships. (2) A, I. Characteristics and behavior of soil water, vapor, and liquid losses of soil water, practices amending the soil water regime, erosion control and irrigation.

324 Beekeeping Methods. (3) II. Establishing an apiary, maintaining and increasing bee colonies, utilizing bees for pollination, methods of handling bees safely, harvesting and processing honey.

325 Beekeeping Laboratory. (2) A. Prerequisite: AGR 324. A course designed to develop skills in beekeeping, harvesting and extracting honey, and general bee maintenance.

327 Beef Production. (4) I. Prerequisite: AGR 293. History, importance, and trends associated with the beef cattle industry; systems of selection, breeding, feeding, and management of beef cattle.

328 Swine Production. (4) A. Types and breeds of swine, selection; breeding, feeding, disease control.

330 Meat Identification and Consumer Evaluation. (2) I, II. Principles of grading, cutting, identifying, pricing, and consumer evaluation of beef, pork, and lamb carcasses, the respective cuts and related products.

332 Poultry Production and Management. (3) A. Prerequisite: 3 hours of animal science. History and importance of the poultry industry; breeds, breeding, feeding, and management in the layer and broiler industry.

340 Conservation of Agricultural Resources. (3) A. Formerly AGR 240. Conservation of soils and their fertility; erosion and control; soil conservation methods for individual farms; water supply and distribution, problems of water and air pollution; problems resulting from the population explosion.

344 Production of Economic Crops in Kentucky. (3) A. Production of field and forage crops, identification, economic importance, production and harvesting techniques. Trial plots will be grown of all crops important to Kentucky.

349 Cooperative Study in Agriculture. (1-8) A. Work under faculty and field supervisors in placements related to academic studies. 1 to 8 hours credit per semester or summer. Total hours; 8, associate; 16, baccalaureate. A minimum of 80 hours work required for each academic credit.

362 Hydraulic Systems. (2) A. Formerly OHO 362J. A study of basic principles of hydraulic systems and their application to agricultural and turf equipment. Lab experiences will provide familiarity and practice with equipment.

372 Topics and Laboratories in Animal Science. (1-6) A. Students may enroll for a maximum of 6 hours, provided the topics are different.

372A Feeds and Feeding laboratory
372B Technical Control of Milk Quality
372C Milking Machine Systems
372D Milk Marketing
372E Plant Diseases
372F General

373 Animal Diseases. (3) I. Prerequisite: 6 hours of animal science. Treatment, prevention and eradication of infectious and parasitic diseases of farm animals.

374 Genetics of Livestock Improvement. (3) II. Prerequisite: 6 hours of animal science. Applied genetic principles of feeding and improving of farm animals including crossbreeding, inbreeding, and other mating plans.

375 Reproduction and Artificial Insemination of Domestic Animals. (3) A. Prerequisite: 6 hours of animal science. Reproductive systems, study and practice of artificial insemination and pregnancy diagnosis of domestic animals.

376 Anatomy and Physiology of Domestic Animals. (3) A. Prerequisite: 6 hours of animal science. Fundamental physiological processes of livestock relating to production, nutrition, and diseases.

380 Technical Management of Dairy Cattle. (5) I. Formerly AGR 280. Prerequisite: AGR 221 and AGR 270. A continuation of AGR 270 with greater emphasis on herd management, feeding systems, sanitation and diseases control; planning housing facilities, producing quality forages and pastures, herd improvement.

382 Agricultural Power Systems. (3) I. Formerly AGR 282. Operation, maintenance, and repair of agricultural power machinery and tractor systems, including electrical circuitry, carburetion, lubrication, cooling systems. Includes methods of environmental control.

383 Diesel Power Systems. (3) I. Study of the operation, maintenance, and repair of agricultural diesel powered systems; includes electrical systems, fuels, injection pumps, and nozzles; laboratory practice.

392 Agricultural Mechanization Systems. (3) II. Principles and planning of materials handling systems, drying systems, water pumps and systems, lighting and ventilation systems, and feed mixing systems used in agricultural production. Student experiences many different kinds of agricultural mechanical systems.

394 Agricultural Equipment Management. (3) A. Selection of equipment on the basis of capacity, efficiency, power and fuel re-

AGR—Agriculture

quirements, fixed and variable costs. Product presentation based on user needs and interests; organization of agricultural and equipment dealerships.

410 Special Problems Seminar. (1-3) I, II. Cross-listed as OHO 410. Students choose a problem and work under the supervision of the instructor in the field of the problem. Credit granted for only one cross listed course.

411 Seminar on Emerging Agricultural Technology. (1) II. Formerly AGR 311. This course provides students an opportunity to study managerial, technological, and consumer trends in agriculture.

416 Soil Fertility. (3) A. Formerly AGR 316. Prerequisite: AGR 215. Various soil amendments including lime, organic and inorganic fertilizers, and conditioners are studied and evaluated for their effect on the physical, chemical, and biological properties of soils and subsequent crop yields.

421 Animal Nutrition. (3) II. Prerequisite: AGR 221 and Chemistry. Principles of nutrition basic to modern livestock feeding; symptoms of nutrient deficiencies, nutritional disorders, metabolism of nutrients, feed additives, feed laws and regulations, and modern methods of feed preparation and feeding.

440 Agricultural Financing. (3) II. Uses and types of agricultural credit, credit institutions, and relating credit needs to farm enterprises.

501 Special Problems in Agriculture. (3) A. A course for exceptional seniors and graduate students involving independent study and research related to problems of a theoretical and/or practical nature. (May be retaken for a total of 6 hours.)

570 Advanced Study in Technical Agriculture. (3-15). Advanced technical study with emphasis upon updating technology and development of understanding and technical competency in:

570B Agricultural Mechanization (3) A.
570C Dairy Herd Management. (3) A.
570D Farm Livestock Management. (3) A.
570E Farm Service and Supplies. (3) A.

571 Production Management in Agriculture. (3) A. Application of advanced technology in the production of agricultural products; updating in agricultural areas such as production methods, new equipment, economic trends, and labor management.

577 Workshop in the Conservation of Natural Resources. (3) A. For teachers returning for graduate work. Instruction is given in the areas of soil, water, fish and wildlife, forest conservation, and methods of teaching related units at the elementary and junior high level.

GRADUATE COURSE

607 Advanced Technical Study in Agriculture Problems. (1-3) A.

OHO—Ornamental Horticulture

131 Principles of Plant Propagation. (4) I. Formerly AGR 131. Principles and techniques of plant reproduction, including soil-water-temperature-plant relationship, methods of propagation and growth habit, adaptations, and uses.

214 Principles of Horticultural Mechanics. (4) A. Principles of operation and maintenance of gasoline and electric motors; basic wiring circuits, automatic controls for greenhouse and nursery heating, ventilation, and misting systems. Practical experience in preventive maintenance and adjustment of equipment.

261 Selection and Use of Deciduous Trees and Shrubs. (2) I. Characteristics of identification and criteria for landscape use of deciduous tree and shrub cultivars adapted to Kentucky.

262 Selection and Use of Evergreen Trees and Shrubs. (2) II. Characteristics of identification and criteria for landscape use of tree and shrub cultivars adapted to Kentucky.

271 Nursery Management. (5) I. Cultural practices of propagating and growing evergreen, deciduous trees, shrubs, and hardy perennials to transplanting size, using structures and facilities not including the greenhouse. Students spend considerable time in the nursery.

283 Bedding Plant Production. (3) II. Cultural practices of propagation and growing annuals and perennials to outdoor planting size, using structures and facilities necessary for production. Students will propagate and produce bedding plants and prepare outdoor plantings.

301 Directed Work Experience. (1-4) I, II. Cross listed as AGR 301. Formerly AGR 201. A minimum of 3 hours per week of work on the college farm or an approved farm. Two months of full-time employment in an approved agribusiness may be substituted for the work requirement. Credit granted for only one cross listed course.

302 Directed Work Experience — Management Practicum. (3) I, II. Nine hours of work per week during the semester in the greenhouses, nursery, landscape or turf areas involving management and production skills. Each option or combination may be taken for a maximum of 12 hours.

302H Nursery option
302I Landscape option
302J Turfgrass option

349 Cooperative Study in Horticulture. (1-8) A. Work under faculty and field supervisors in placements related to academic studies. 1 to 8 hours credit per semester or summer. Total hours; 8 associate; 16, baccalaureate. A minimum of 80 hours work required for each academic credit.

351 Turfgrass Ecology and Morphology. (4) II. Formerly AGR 351. Interrelations of environmental factors and management practices as they affect growth and survival of turf grasses.

352 Turfgrass Equipment. (2) A. Prerequisite: AGR 213 or instructor approval. The selection operation and maintenance of equipment and engines used in establishing and maintaining turfgrass areas.

353 Turfgrass Pests. (2) A. Identification and accepted control practices of diseases, insects, and weeds found in golf course, athletic fields, lawn, and other general turfgrass areas.

361 Turf Production and Management. (4) I. Formerly AGR 361. Physiological and edaphic factors affecting growth of adapted turfgrasses. Golf course and athletic field construction, turf establishment, irrigation, soil drainage, fertilization, disease, insect, and weed problems relating to turf.

362 Topics in Landscape Gardening. (1-6) A. Formerly AGR 262 and 362. Students may enroll up to 6 times for a total of 6 credits.

362A Home Landscape option
362C Landscape Maintenance option
362D Disease and Insect Control option
362E Floral Design option
362F Lawn Establishment and Maintenance option
362G Problems of Golf Course Operation option
362I Irrigation Systems option
362K Interior Plantscaping option (Formerly Selection and Use of Foliage Plants)

363 Retail Florist Operations. (3) A. Prerequisite: OHO 362E or prior floral design experience. The retail florist business as it relates to locating, starting, and operating a retail floral establishment; practice with advanced techniques of floral design; field study of operating businesses.

370 Landscape Operations Management. (3) II. Management of labor, estimating and bidding along with basic maintenance of trees, shrubs, and turf in the landscape operation.

373 Fruit Production. (3) A. Planning, planting and growing fruits. Pruning, training, fertilizing, controlling pests and harvesting for quality of bush and tree fruits.

384 Greenhouse Floral Crops. (3) A. The study of specialized greenhouse floral crops and methods of producing them; includes bed and container growing, production cycles to meet peak demands, and marketing techniques.

385 Production of Foliage Plants. (3) A. Identification of green foliage plants, usually called houseplants; propagation techniques, rooting mediums, disease and insect control, and arranging plants in planters and baskets for marketing.

386 Vegetable Production. (3) A. Vegetable growth and development, growing from seed, managing soils, planting, mulching, controlling pests, harvesting, handling, marketing, and storing of most vegetable crops.

388 Greenhouse Operation and Management. (3) II. Formerly AGR 381 and OHO 381. Prerequisites: Either OHO 283, 384, 385, or 386. Plant propagation and growing techniques in a greenhouse. The student learns operation procedures and the economics of operating a greenhouse and using cold and hot frames.

389 Greenhouse Management Practicum. (3) I, II. Formerly OHO 302G. Prerequisite: OHO 388. Management of the greenhouse; students work 9 hours per week in the greenhouses to practice management and production skills.

391 Landscape Methods and Related Businesses. (3) I, II. Formerly AGR 391. Prerequisite: OHO 261 or 262. Elements of design and the execution of the landscape architect plan. Additional emphasis will be placed on occupations related to ornamental horticulture including industrial grounds management.

410 Special Problem Seminar. (1-3) I, II. Cross listed as AGR 410. Students choose a problem and work under the supervision of the instructor in the field of the problem. Credit granted for only one cross listed course.

570 Advanced Study in Technical Horticulture. (3) A. Advanced

technical study with emphasis upon updating technology and development of understanding and technical competency in:

570A Ornamental Horticulture. (3) A.

570B Turfgrass Ecology. (3) A.

571 Production Management in Horticulture. (3) A. Application of advanced technology in the production of horticultural products; updating in horticultural areas such as production methods, new equipment, economic trends, and labor management.

GRADUATE COURSES

607 Advanced Technical Study in Horticulture Problems. (1-3) A.

DEPARTMENT OF

HOME ECONOMICS

Powers, B. Chair; Blackwell, Blythe, Burkhart, Calvert, Creamer, Kubiak, Linnenkohl, McCarthy, K. Phillips, R. Phillips, Shambaugh, Snarr, Springate, Sutton, Vachon, Warner, Willis.

The Department of Home Economics offers general and specialty programs leading to Bachelor of Science, Associate of Arts, and Associate of Science degrees. Graduates of this department qualify for a variety of professional positions in education, government, business, military, and industry.

Curricula requiring an area major are: child and family studies, clothing construction and design, dietetics, fashion merchandising, general home economics, and home economics education. The first major in food service administration requires a minor in business administration. A first major in textiles with a minor in chemistry is offered, but other minors such as art and journalism may be substituted with the approval of the Departmental Chair and the Dean of the College.

Interior design is an interdisciplinary area major offered in the College of Applied Arts and Technology and administered by the Department of Home Economics.

Students majoring in other departments may elect a second major or minor in a specialty field in home economics. Area majors in the Department of Home Economics may elect a minor in a specialty field.

Three Associate of Science degree programs are offered: child care, nutrition care, and homemaking supervision. An Associate of Arts degree is offered in interior design. Courses completed in an associate degree program may be credited toward meeting requirements in the corresponding baccalaureate level major.

Students following an area of concentration, first or second major, minor, or associate degree program must maintain a "C" average in departmental courses (CDF, HEC, IDH, NFA, TCF prefixes).

Child and Family Studies

AREA MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... 48 hours
CDF 132; 232 or 331; 247; 6 hours from CDF 241, 244, 342, 441; 6 hours from CDF 245, 344, 346, 547; 6 hours from CDF 348 and 350 or CDF 442 and 443 and 2-3 hours approved courses; 6 hours from CDF 437, 533, 534, 537, 538, 548; 9 hours CDF electives; and 6 hours from HEC 352; IDH 121; NFA 201; and TCF 101 or 201.

Supporting Course Requirements ..... 6 hours
PSY 202; SED 104.

General Education Requirements..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 19 hours
To be selected by student from University offerings.

Total Curriculum Requirements ..... 128 hours

Clothing Construction and Design

AREA MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... 54 hours
ART 100, 101, TCF 101, 102, 201, 203, 219, 301, 305, 310, 312, 410, 411, 412, 510, THE 320, and 6 hours from the following: CDF 132 or 331; HEC 352, IDH 121, NFA 201.

Supporting Course Requirements ..... 9 hours
CHE 101, 102.

General Education Requirements..... 46 hours
Standard General Education program excluding course categories 14, 15, and 16. Refer to part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 19 hours

Total Curriculum Requirements ..... 128 hours

General Dietetics (2 + 2)

AREA MAJOR, BACHELOR OF SCIENCE

The Department of Home Economics offers a 2 + 2 program in dietetics to provide continuity so that a student completing the two-year program may continue into the four-year program, provided the student meets academic requirements. All students in the dietetic programs (two and four-year) would take the same courses during the first two years. A student choosing only to complete the two-year (A.S.) program would be required to have a four hour practicum as a culminating experience. The general dietetic program features early exposure to professional dietetic courses. Criteria for admission to the baccalaureate degree program in dietetics:

1. Have no grade in NFA courses less than a "C."
2. Have a minimum overall grade point average of 2.5 on a 4.0 scale.
3. Have completed all requirements for the Associate of Science degree in nutrition care with the exception of NFA 218 and NFA 349 (4 hours), a total of 64 hours.
4. The requirements for the baccalaureate degree shown below include the requirements for the Associate of Science degree in nutrition care plus an additional 64 hours.

Major Requirements ..... 57 hours
HEC 303; NFA 121; 201; 202; 215A; 215B; 216A; 216B; 217; 245A; 245B; 301 or CHE 330; NFA 304; 323; 343; 345A; 345B; 349 (1 hour); 501; 502A; 502B; 511A; 511B; 515 (1 hour); 541; and 6 hours from CDF 132 or 331; HEC 352; IDH 121; TCF 101 or 201.

Supporting Course Requirements ..... 31 hours
BIO 273; 301; CHE 101; 102; ECO 130; MAT 165; MGT 300; SOC 131 or ANT 120 or GSS 142; PSY 201 or 202.

General Education Requirements..... 37 hours
Standard General Education program excluding course categories 9, 12, 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 3 hours

Total Curriculum Requirements ..... 128 hours

Fashion Merchandising

AREA MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **59 hours**
ACC 201; 9 hours from MGT 300; 330; 500 or MKT 300; 304; 310; 315; 320; 324; TCF 101; 201; 219; 239; 301; 319; 349*; 413; 414; 508; 6 hours from TCF 310, 402, 410, 510; and 6 hours from CDF 132 or 331; HEC 352; IDH 121; NFA 201.
Supporting Course Requirements ..... **12 hours**
CHE 101, 102; ECO 230.
General Education Requirements..... **46 hours**
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **11 hours**
Total Curriculum Requirements ..... **128 hours**

*TCF 349 — 2 hours at sophomore level.

General Home Economics

AREA MAJOR, BACHELOR OF SCIENCE

Major Requirements..... **50 hours**
HEC 300, 353, 453; 6 hours restricted home economics electives*; 18 hours in each of the 2 areas of concentration in home economics.**
Supporting Course Requirement ..... **4 hours**
CHE 101.
General Education Requirements..... **51 hours**
Standard General Education program excluding course category 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives***..... **23 hours**
Total Curriculum Requirements ..... **128 hours**

*9 hours of the following must be completed if not included in the emphasis selections: CDF 132 or 331; HEC 352; IDH 121; NFA 201; TCF 101 or 201.
**Home Economics specialization to be fulfilled through completion of a minimum of 18 hours in each of 2 areas of specialization.
***With optional 18 hour public relations minor 5 hours of free electives.

AREAS OF SPECIALIZATION:

Child Development and the Family
CDF 241; 244; 245 or 344; 247; 342; 3 hours electives from CDF 132, 232, or 331.

Home Economics and Interior Design
HEC 351; 352; IDH 250, 320, 6 hours electives from IDH 222, 324, 327, 328.

Nutrition and Foodservice Administration*
NFA 121, 201, 12 hours electives from NFA 245A and B, 302, 321, 323, 343, 345A, 345B, 505, 507, 509, 511A, 511B.

Textiles, Clothing and Fashion
TCF 101, 102, 201, 9 hours electives from TCF 203, 219, 305, 312, 411, 412.

NOTE: Students selecting nutrition and food service administration must select CHE 102 and BIO 301, and 378 or BIO 273 to complete their General Education Natural Science requirement. These science courses are prerequisite for all upper division NFA courses.

Home Economics Education (Teaching)

AREA MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **48 hours**
CDF 132; 244; 241 or 331 or 342; HEC 352; 353; 453; IDH 250; 320; NFA 121; 201; 321; TCF 102; 201; 9 hours departmental electives.
Supporting Course Requirements ..... **42 hours**
BIO 301, 378; CHE 101, 102; EDF 102, 202, 317; ESE 366, 453, 498, 499.
General Education Requirements..... **43 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **133 hours**

In addition, the student shall complete 1,000 hours in approved work experience in homemaking and home economics related occupations.

Interior Design

AREA MAJOR, BACHELOR OF SCIENCE

The College of Applied Arts and Technology provides a Bachelor of Science degree program in interior design, requiring courses selected from three departments within the college; Home Economics (IDH, TCF), Industrial Education and Technology (IET), and Agriculture (OHO). The program is administered by the Department of Home Economics.

Major Requirements..... **64 hours**
IDH 121; 222; 321; 322; 324; 326; 327; 328; 329; 330; 422; 426; 428*; IET 191; 332; 391; 394; 496; 1 hour in OHO 362A, or 362 E or 362K; TCF 201; 3 hours from CDF 132 or 331; HEC 352; NFA 201.
Supporting Course Requirements ..... **15 hours**
ART 103 or 202, 117; 390; 391; 3 hours in OAD 254 or MGT 300 or MKT 304.
General Education Requirements..... **49 hours**
Standard General Education program, excluding course categories 07 and 08. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **128 hours**

*Student must have 2.25 overall grade point average with no individual course grade below a "C" in IDH courses to enroll in IDH 428. Students not meeting these requirements will take other IDH electives or repeat IDH required courses to meet this criteria.

Foodservice Administration

FIRST MAJOR, BACHELOR OF SCIENCE
(Required minor in Business Administration)

Major Requirements..... **35 hours**
HEC 303; NFA 121, 201, 245A, 245B, 304, 323, 343, 345A, 345B, 349 (1 hour), 541, 555 (1 hour), 6 hours selected from CDF 132 or 331; HEC 352; IDH 121; TCF 101 or 201.
Supporting Course Requirements ..... **24 hours**
AGR 330; BIO 273; 301; CHE 101; 102; CIS 212; PSY 201 or 202.
Business Administration Minor Requirements.... **27 hours**
ACC 201; 202; ECO 230; 231; 333 or MGT 224; MGT 300; 320; 500; FIN 300 or MKT 300.
General Education Requirements..... **34 hours**
Standard General Education program, excluding course cat-

egories 3, 9, 12, 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **8 hours**
Total Curriculum Requirements ..... **128 hours**

Textiles

FIRST MAJOR, BACHELOR OF SCIENCE
(With minor in Chemistry)*

Major Requirements ..... **33 hours**
TCF 101; 201; 219; 301; 402; 410; 508; 510; 3 hours electives from TCF 310, 319; and 6 hours from CDF 132 or 331; HEC 352; IDH 121; NFA 201.
Minor Requirements ..... **18 hours**
CHE 111, 112, 361; 4 hours upper division CHE elective.
General Education Requirements ..... **46 hours**
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **31 hours**
Total Curriculum Requirements ..... **128 hours**

*Minor in other fields may be substituted if approved by departmental chair and Dean of the College of Applied Arts and Technology.

SECOND MAJOR IN SPECIALTY FIELD OF HOME ECONOMICS

A student with a major outside the Department of Home Economics may pursue a second major in a specialty field of home economics by completing major requirements and supporting course requirements approved by the departmental chair and Dean of the College of Applied Arts and Technology.

MINORS IN HOME ECONOMICS

Departmental majors may complete, in addition to major requirements, 18 hours in a specialty other than the major upon approval by the advisor, departmental chair, and Dean of the College of Applied Arts and Technology.

Non-departmental majors may minor in areas of home economics by completing the prescribed sequence.
Minor in Child and Family Studies ..... **18 hours**
CDF 132, 241, 244, 245, 342, NFA 201.
Minor in Clothing ..... **18 hours**
TCF 101, 102, 201, 203; 6 hours selected from TCF 305, 310, 312, 411, 412, 510.
Minor in Fashion Merchandising ..... **18-20 hours**
TCF 101, 201, 219, 239, 319, 413, 517, 519.
Minor in Food Service Administration ..... **18 hours**
NFA 121, 201; 12 hours selected from NFA 245A, 245B, 304, 323, 343, 345A, 345B, 541.
Minor in General Home Economics ..... **18 hours**
HEC 351, 352; IDH 250, 320; NFA 121; TCF 102.
Minor in Nutrition ..... **18 hours**
NFA 121, 201; 12 hours selected from NFA 301, 302, 501, 502A, 502B, 505, 507, 509, 511A, 511B.
Minor in Textiles ..... **18 hours**
TCF 101, 201, 301, 410, 508, 3 hours approved electives in department.

Child Care

ASSOCIATE OF SCIENCE

This Associate of Science degree is designed for persons desiring academic preparation to teach or assist in a day care center or in a center for culturally deprived children in a position not requiring professional education certification, and to work with those agencies responsible for licensing and certifying personnel in centers for young children.

Major Requirements ..... **30 hours**
CDF 132, 241, 244, 245, 247, 344, 348, 350; 3 hours from CDF 232, 331, 342; NFA 201.
Supporting Course Requirements ..... **8 hours**
ELE 322; PSY 201 or 202; SED 104.
General Education Requirements ..... **23 hours**
ATO 100; ENG 101 and 102, or 105; SPE 100; General Education social science (3 hours from course category 9 and 3 hours from course categories 10 or 11); BIO 300 or BIO 317; 4 hours restricted electives.
Free Electives ..... **3 hours**
Total Curriculum Requirements ..... **64 hours**

Homemaking Supervision

ASSOCIATE OF SCIENCE

The Homemaking Supervision curriculum is designed for individuals wishing to work on the state level to train "homemakers," a classification of Case-Aide who consults with families and offers practical help in all general problems involving home life. Additional employment opportunities include aides in day care centers, aides to home economists in business, industry, and community services.

Major Requirements ..... **36 hours**
CDF 132; 241 or 244; 331; HEC 351; 352; 353; NFA 121; 201; 321; TCF 101 or 201; 102; 3 hours TCF electives.
Supporting Course Requirements ..... **7 hours**
CHE 101; PSY 201 or 202.
General Education Requirements ..... **21 hours**
ATO 100; ENG 101 and 102, or 105; SPE 100; SOC 131; 3 hours social science elective*; ECO 230; HPR 180; 181.
Total Curriculum Requirements ..... **64 hours**

*General Education literature may be substituted.

Nutrition Care

ASSOCIATE OF SCIENCE

Nutrition care, an Associate of Science degree option of dietetic technology, is an approved program of the American Dietetic Association. The curriculum integrates clinical and didactic components of nutrition care, preparing graduates to work under the supervision of registered dietitians in hospitals, nursing homes, and other health-oriented agencies.

Major Requirements ..... **30 hours**
HEC 303; NFA 121, 201, 202, 215A, 215B, 216A, 216B, 217, 218, 245A, 245B, 349 (5 hours).
Supporting Course Requirements ..... **18 hours**
CHE 101, 102; MAT 165; MGT 300; PSY 201 or 202.
General Education Requirements ..... **21 hours**
ATO 100; BIO 301; ENG 101 and 102, or 105; HPR 180; 181; HEA 281; SOC 131 or ANT 120 or GSS 142; and 4 hours restricted electives.
Total Curriculum Requirements ..... **69 hours**

Interior Design

ASSOCIATE OF ARTS

A graduate in interior design of the Associate of Arts degree program may (1) be employed as an assistant to an Interior Designer, (2) be hired by retail stores as a consultant to consumers, in the furniture, draping, and houseware areas, or (3) be self-employed. Other students will select this program for personal benefit.

Major Requirements ..... **39 hours**
IDH 121, 222, 322, 324, 326, 327, 328, 329, 330; IET 191, 391, 394; TCF 201.

Supporting Course Requirements ..... **6 hours**
ART 117, and 103 or 202.

General Education Requirements..... **22 hours**
ATO 100; ART 390; 391; ENG 101 and 102, or 105; HPR 180; 181; 3 hours General Education social science; 4 hours restricted electives.

Total Curriculum Requirements ..... **67 hours**

Course Descriptions

CDF — Child and Family Studies

132 Family Living. (3) I, II. Formerly HEC 132, HEC 208. Stages of development of the individual family members and of the family as a unit; biological, cultural, and personal accomplishments (developmental tasks) of the family throughout the life cycle will be emphasized.

232 Identity and Sexuality. (3) I, II. An exploration of the changing attitudes about and among men/women and their effect on choices and interpersonal relationships. Emphasis will be on promotion and maintenance of positive mental, physical, emotional, and sexual development.

241 Prenatal and Infant Development. (3) I, II. Formerly HEC 241. Growth and development from conception to 3 years.

244 Development of the Preschool Child. (3) I, II. Formerly HEC 341, CDF 341, HEC 303. Prerequisite: CDF 241 or instructor approval. Age-level characteristics and theory pertinent to the preschool child. Special emphasis on observational assessment skills and the construction of individual case studies.

245 Program Planning for Young Children. (3) I, II. Formerly HEC 345, CDF 345, Prerequisite: CDF 241, 244, or instructor approval. Survey of learning experiences in various curriculum areas. Planning activities, including techniques and materials, to provide environment appropriate to the age and background of young children. 2 Lec/2 Lab.

247 Parent Involvement with Young Children. (3) I, II. Formerly HEC 347, CDF 347. Prerequisite: PSY 201 or 202; CDF 241 or 244. Study of effective home-school relations during the early childhood period. Methods and materials useful in working with parents. Experiences include observation of parent meetings, planning discussion groups, home visits, and parent conferences.

331 Marriage: Establishing Interpersonal Relations. (3) I, II. Formerly HEC 331, HEC 307, CDF 331. Prerequisite: second semester sophomore standing. Factors influencing marital adjustment; their relationships and implications for a successful life.

342 Child and Adolescent Development. (3) II. Formerly HEC 342, HEC 304. Prerequisite: CDF 241. Physical, mental, emotional, and social development of the child from school age to adolescence; case studies, observations, and participation experiences with children culturally advantaged and disadvantaged.

344 Infant Education. (3) A. Prerequisite: CDF 241. Current programs, techniques, and research relating to infant stimulation. Emphasis on home intervention theory and practices, screening procedures for at-risk infants, and the parent-infant dyad.

346 Creative Materials and Concept Development. (3) A. Prerequisites: CDF 244 and 245. Survey of theories related to concept development and skills acquisition for young children. Detailed survey of concept development in various curriculum areas. Focus on innovative teaching devices.

348 Introduction to Preschool Experience. (2) I. Formerly CDF 248, CDF 242. Prerequisite: CDF 244 and 245. Examination of models of preschool education including history, goals, philosophies, materials, environments, and methods of child management. Designed to serve as preparation for practical experience in early childhood setting.

349 Cooperative Study in Child Development. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 8 associate; 16, baccalaureate. A minimum of 80 hours work required for each academic credit.

350 Preschool Experience. (4) I, II. Formerly CDF 249, CDF 243. Prerequisite: CDF 348 or concurrent enrollment, CDF 244, 245, and 2.0 cumulative GPA and a minimum grade of "C" in all courses with CDF prefix. Practicum in preschools focusing on structuring the environment, directing learning experiences, developing techniques for guiding young children, and arranging effective communication for parent involvement. Meetings for planning, discussing, and making decisions relative to preschool operation.

437 Families Under Stress. (3) A. Prerequisite: CDF 132 or approval of instructor. A detailed examination of family functioning under crisis situations. The impact of death, divorce, middle age, unemployment, single parenthood, displacement, and disability on individual members of the family will be considered.

441 Adulthood and Aging. (3) A. Individual and familial development from young adulthood through death. Particular focus on changing family roles as members age. Emphasis on social changes affecting life satisfaction, living environments, and social relations of the middle-aged and elderly.

443 Child and Family Studies Practicum. (4) A. Prerequisite: completion of 2-3 hours of relevant coursework approved by departmental advisor. Supervised practicum experience in settings serving children and/or their families.

533 Marital Communications. (3) A. Prerequisite: instructor approval. The married person, self-concept and self-system in relation to communication; techniques of family communication.

534 Parenting. (3) A. Formerly CDF 633. Prerequisite: CDF 132, 241, 244 or equivalent; approval of instructor. A survey of techniques designed to promote effective parenting skills. The course will focus on methods of parent guidance and common problems encountered by parents at all stages of the child-rearing sequence.

537 Marital and Family Relationship in the Retirement Period. (3) A. Formerly CDF 537. Prerequisite: instructor approval. The senior citizen and the transition in family ties, anxieties, attitudes, behavior, and marital life.

538 Seminar in Family Life. (1-3) A. Formerly HEC 538, HEC 505. Prerequisite: approval of instructor. Students will concentrate their interests in an intensive study of specific areas of the family and its interpersonal relationships. May be retaken by graduate students to a maximum of six hours.

547 Organization and Administration of Preschools. (3) II. Formerly HEC 547, HEC 507. Prerequisite: CDF 345. Study of the history of preschool education and its present organization and administration.

548 Seminar in Child Development. (1-3) II. Formerly HEC 548, HEC 504. Prerequisite: CDF 241, 341, and 6 hours in CDF. Current concepts and trends in child development; recent research and literature. May be retaken by graduate students to a maximum of six hours.

549 Special Problems in Child Development. (1-3) A. Formerly HEC 549. Prerequisites: CDF 548 and instructor approval. The student chooses a problem and works under the supervision of the instructor. May be retaken by graduate students to a maximum of 6 hours.

GRADUATE COURSE

631 Relationships in Marriage and Family. (3) A.

HEC — Home Economics: General

200 Professional Seminar. (1) A. An explanation of professional opportunities, including introduction to knowledge and techniques of preparing for interview, writing letters of application, resumes. Grading based on satisfactory-unsatisfactory work.

300 Issues in Home Economics. (2) II. Identification and analysis of current issues and developing trends in the field of home economics. Examination of scope and nature of home economics professions; investigation of professional opportunities significant to students' area of emphasis.

301 Research in Home Economics. (2) A. A survey of recent research in home economics and its implications. Students will plan and conduct an individual mini-research project.

HEC—Home Economics: General

303 Dissemination of Home Economics Information. (3) II. Dissemination of information for clientele in the field of home economics. Selection and utilization of resource materials in specific areas.

349 Cooperative Study in Home Economics (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 8 associate; 16, baccalaureate. A minimum of 80 hours work required for each academic credit.

351 Household Equipment. (3) II. Formerly HEC 301. Selection, use, and maintenance of household equipment and appliances. Fundamentals of gas and electricity; energy efficiency in the home.

352 The Family as Consumers. (3) I, II. Current consumer behavior by families in the marketplace. Emphasis on fraudulent schemes, current issues, laws, and organizations affecting the interests of the family as consumers.

353 Home Management. (3) I. Formerly HEC 330. Concepts and processes of home management as a means of achieving family goals. Effective use of human, economic, and environmental resources; work simplification principles applied to household work.

453 Home Management Experience. (3) I, II. Formerly HEC 403. Prerequisites: NFA 321; HEC 351 and 353. Students may enroll for a total of 3 hours credit.

453A Turley House Residence. Management of time, money, and energy as related to home environments; projects assigned. Students will reside and participate in experiences in Turley House. Make reservation 1 semester in advance.

453B Turley House Residence Participation. Management of time, money, and energy as related to home environments; projects assigned. Married students participate in experiences in Turley House but reside in their homes. Make reservations one semester in advance.

453C Family Management Experience. Management of time, money, and energy as related to home environments. Married students fulfill approved experiences in their own homes. Enrollment approval by departmental chair one semester in advance.

550 Home Economics Workshop: (1-6) A. Workshops on selected topics in home economics. May be taken for a maximum of 6 hours by graduate students.

555 Seminar in Consumer Economics. (3) A. Prerequisite: HEC 352 or equivalent. Reports and discussion on topics of concern to consumers; legislation affecting consumerism; resources available to consumers; consumer rights and responsibilities. May be retaken by graduate students for a maximum of 6 hours.

556 Special Problems in Family Economics and Management. (1-3) A. Formerly HEC 566 a, b, c; HEC 456 a, b, c. Prerequisite: instructor approval. The student chooses a problem and works under the supervision of the instructor. May be retaken by graduate students to a maximum of 6 hours.

IDH — Interior Design and Housing

121 Introduction to Interior Design. (3) I. A survey of interior design profession: Presenting basic concepts of residential and commercial design, assessing aptitude and interest in this career, providing foundation knowledge for those participating in designer services.

222 Color Theory and Application. (3) I. A study of the terminology, psychology, theory, and application of color for a functional, economical, aesthetic, and original environment.

250 The Residential Environment. (3) I. Formerly HEC 250, HEC 350. Concepts influencing housing: family values and needs with emphasis on residential environment. Original plans including space analysis, room arrangement, equipment, storage created, considering design elements, principles, and objectives. Not open to interior design majors.

317 Interior Design Study Tour I. (1-3) A. Prerequisite: completion of freshman year in interior design B.S. or A.A. program. A tour planned for interior design students to observe the operation of establishments involved in production, sales, and/or display of items such as furniture and accessories. Special project required.

319 Seminar in Interior Design. (1-6) A. A study of technical information relevant to interior design. Course content to be determined by student interests and needs. Total credit hours allowed: 6 hours, provided that the content is different.

320 Furnishing the Residential Environment. (3) I. Coordination of furnishings and accessories within the contemporary residential environment; application of the design elements, principles, and objectives through laboratory experiences; illustration techniques are utilized. Not open to interior design majors.

321 Housing Concepts. (3) II. Economic, environmental, social and political dimensions of housing. A study of housing: norms, types, energy use, tenancy and ownership, governments' roles, renovation and restoration, and projections for the future.

322 Studio I: Small-Scale Residential Design. (3) I. Formerly HEC 322. Prerequisite: IET 391 or concurrent enrollment. Application of design elements, principles, and objectives in planning small-scale residential spaces, resulting in appropriate project presentations.

324 Contemporary Interiors and Furnishings. (3) II. Formerly HEC 324. Study of styles in interiors, furniture, and accessories of the 20th century with projection for the future.

326 Studio II: Small-Scale Commercial Design. (3) II. Formerly HEC 326. Prerequisite: IDH 322. Application of the design elements, principles, and objectives in planning small-scale commercial spaces, resulting in appropriate verbal and graphic project presentations.

327 Historical Interiors and Furnishings I. (3). I. Prerequisites: ART 390 or concurrent enrollment. Study of architecture, interiors, furnishings of ancient and classical civilizations, Middle Ages, Italian, Hispanic, Asian, and African cultures: their historical significance and application to current design problems.

328 Historical Interiors and Furnishings II. (3) II. Prerequisites: ART 391 or concurrent enrollment. Study of design in domestic architecture, interiors, furnishings of French, English, and American Periods through the 19th century: their historical significance and application to current design problems.

329 Lighting Theory and Application. (3) I. Prerequisite: IET 394. Study of the terminology, psychology, theory and application of lighting systems for residential and commercial interiors.

330 The Professional in Interior Design. (3) II. Formerly IDH 427, HEC 427. Prerequisite: IDH majors only, sophomore standing or above. Objectives, procedures, and ethics for the professional interior designer, with emphasis on professional practice.

349 Cooperative Study in Interior Design. (1-8) A. Work under faculty and field supervisors in placements related to academic studies. One to 8 hours per semester or summer. Total hours: 8, associate; 16 baccalaureate. Minimum of 80 hours work required for each hour credit.

422 Studio III: Large-Scale Residential Design. (3) I. Prerequisite: IDH 326. Application of design elements, principles, and objectives in planning large scale residential spaces through use of appropriate research, design development, and presentations.

424 Issues in Interior Design. (3) A. Prerequisite: junior standing or instructor approval. Individual and group investigation of current responsibilities and issues relevant to the field of interior design.

426 Studio IV: Large-Scale Commercial Design. (3) II. Formerly IDH 426, HEC 426. Prerequisite: IDH 422. Advanced application of the design elements, principles, and objectives to planning large-scale spaces resulting in formal presentations.

428 Supervised Field Experience in Interior Design. (6) A. Formerly IDH 428 (10 hours credit), HEC 428. Prerequisite: instructor approval, IDH 330, 326. In addition, the student must have a 2.25 overall grade point average with no grade below a "C" in IDH courses. Observation of an interior design firm's operation and program, with performance is assigned tasks under supervision. Reservations for this experience should be made a semester in advance.

517 Interior Design Study Tour II. (1-3) A. Prerequisite: completion of junior year in interior design. Tour of interior design resources, wholesale and retail showrooms. Study in museums, libraries, and interior design centers when possible. Special study projects. Total credits for 2 different tours: 3 undergraduate and 3 graduate hours.

519 Special Problems in Interior Design. (1-3) A. Prerequisite: senior standing or instructor approval. An appropriate problem is proposed in consultation with an advisor/instructor and completed under supervision. May be retaken by graduate students for a maximum of 6 hours.

521 Analytical Furniture Design. (3) A. Prerequisite: senior standing or instructor approval. Analysis of furniture design in terms of integration of function and style with structure; coordination of furniture style with interior architectural expression.

525 The Decorative Arts. (3) A. Furniture and accessories of the 18th, 19th, and 20th centuries with emphasis upon the influence of major designers and their interpreters, their stylistic characteristics and technical habituations.

GRADUATE COURSE

626 Experimental Design for Architectural Interiors. (3) A.

NFA—Nutrition, Foods, and Food Administration

121 Introduction to Food Composition and Preparation. (3) I, II. Formerly HEC 204. Composition of foods and their properties as they affect preparation. Scientific principles of food preparation.

201 Essentials of Nutrition. (3) I, II. Formerly HEC 219. A scientific study of the essential nutrients and their application in meeting nutritional needs of all ages. Consideration is given to food selection, nutrition misinformation, obesity, and other common dietary problems.

202 Introduction to Dietetics. (1) I. A professional orientation course describing the roles of the practitioner in administrative, clinical, and community dietetics, along with relationships to other health professionals.

215A Nutrition Care I. (2) II. Prerequisite: NFA 201. Dietary treatment of individuals during periods of normal development, disease, physiological stress. Calorie, carbohydrate, fat, and consistency modifications. Interviewing and diet history techniques. Medical terms and lab data.

215B Laboratory for Nutrition Care I. (1) II. Prerequisite: concurrent enrollment in NFA 215A. Supervised student participation in an approved health care facility.

216A Nutrition Care II. (2) I. Prerequisite: NFA 215A. Dietary treatment of individuals during periods of normal development, disease, physiological stress. Fat, protein, electrolyte and mineral modification.

216B Laboratory for Nutrition Care II. (1) I. Prerequisite: concurrent enrollment in NFA 216A. Supervised student participation in an approved health care facility.

217 Nutrition Care III. (3) II. Prerequisite: NFA 216A and B or instructor approval. Study of the dietary needs throughout the life cycle as translated to community groups.

218 Seminar in Dietetic Technology. (2) I. Reports and discussion on topics relevant to the area of nutrition care.

245A Quantity and Family Food Production. (2) I. Prerequisite: NFA 121. Standards, principles, and techniques for managing food for the family and through the functional subsystems of a food service utilizing the systems approach. Menu planning for quantity and family.

245B Quantity and Family Food Production Lab. (2) I. Prerequisite: NFA 121. Supervised field experience in the technical application of theory presented in NFA 245A.

301 Bio-Nutrition. (3) I. Formerly HEC 317. Prerequisite: CHE 102 or 112; NFA 201. Structures and chemical properties of CHO, PRO, Fat, and nucleic acids, vitamins, coenzymes, minerals, and water related to metabolic processes.

302 Diet Therapy. (3) A. Prerequisite: NFA 201. Basic diet therapy and its application to dietary treatment for patients. Nutrition guidance and counseling techniques. Study of specific diseases and relationship of modified diets to overall medical care and/or rehabilitation of the patient.

304 Computer Assisted Foodservice Management. (1) II. Prerequisite: NFA 245A and B. Principles and techniques in computer usage. Systems approach, coding, inventory control, production scheduling, food cost accounting, and patient nutrient intake systems.

321 Meal Management. (3) A. Formerly HEC 215. Prerequisite: NFA 121, 201. Food management, planning, preparation, and service of meals through management of time, energy, money, and efficient use of equipment. Consideration is given to nutritional needs, food habits, and social customs of family groups.

323 Experimental Foods. (3) I, II. Formerly HEC 302. Prerequisites: NFA 121; CHE 102 or equivalent. Experimental procedures involving methods and techniques and their effects on the quality of products; individual problems dealing with the various aspects of food preparation.

343 Foodservice Equipment Operations and Design. (2) II. Prerequisite: NFA 245A and B. Principles of food service layout and design. Utilization of managerial controls in planning an institutional food service.

345A Foodservice Systems Management. (2) II. Prerequisite: MGT 300, NFA 245A and B. Application of the systems approach to a variety of food service systems. Emphasis in middle management responsibilities, linking processes, management functions, and controls necessary in food service.

345B Foodservice Systems Management Laboratory. (3) I. Prerequisite: NFA 245A and B, MGT 300 and concurrent enrollment in NFA 345A. Supervised field experience in the technical application of theory presented in NFA 345A.

349 Cooperative Study in Nutrition, Foods and Food Administration. (1-8). A. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 8, associate; 16, baccalaureate. A minimum of 80 hours work required for each academic credit.

500 Nutrition Concepts and Issues. (3) A. Fundamental principles of human nutrition and their application in meeting nutritional needs of all ages. Not open to dietetic or foodservice administration majors.

501 Human Nutrition. (3) I. Prerequisite: CHE 330 or NFA 301; BIO 301. Interrelations and functions of nutrients in normal nutrition; relation of nutrient requirements at the cellular level to dietary standards.

502A Therapeutic Nutrition. (2) II. Formerly HEC 506, HEC 406. Prerequisite: NFA 217, NFA 301 or CHE 330, NFA 501 or equivalent. Theory and applications of the normal dietary patterns and specific modifications, according to disease processes. Integrates nutritional management, physiological, and biochemical alterations for pathological disorders.

502B Clinical Experience for Therapeutic Nutrition. (1) II. Prerequisite: Concurrent enrollment in NFA 502A. Supervised clinical experience in acute and long term health care facilities in which the student will participate in patient interviewing, counseling, observing, and communicating with clinical dietetic professionals, nursing and other health professionals.

505 Maternal and Infant Nutrition. (3) A. Formerly NFA 403, HEC 410. Prerequisite: NFA 201. Nutritional requirements prior to and during pregnancy, lactation, and infancy. Survey the effects of dietary toxicants, deficiency and excesses of nutrients. Field experience.

507 Child and Adolescent Nutrition. (3) A. Prerequisite: NFA 201. Nutritional needs, problems, dietary habits, and motivations of the toddler through adolescent years. Field experience.

509 Nutrition and Aging. (3) A. Prerequisite: NFA 201. The theories of causes of aging; nutritional requirements, dietary intakes and effects of nutrition on the rate of biological aging. Field experience.

511A. Community Nutrition. (2) II. Formerly NFA 404, NFA 503. Prerequisite: NFA 201. Analysis of nutrition services and legislation. Survey of roles of the nutritionist in various community settings. Development of resource file and preparation of nutrition education materials for use with different population groups. Planning and conducting nutrition surveys and analysis of data.

511B Laboratory for Community Nutrition. (1) II. Prerequisite: NFA 201 and concurrent enrollment in NFA 511A. Supervised field experience including observation and participation in various community programs and settings. Experiences in individual and family nutrition counseling.

515 Seminar in Nutrition. (1-3) A. Formerly HEC 413. Prerequisites: NFA 501 and instructor approval. Reports and discussions of current problems and research in nutrition. May be retaken by graduate students to a maximum of 6 hours.

516 Special Problems in Nutrition. (1-3) A. Prerequisite: NFA 501 and instructor approval. The student chooses a problem and works under the supervision of an instructor. May be retaken by graduate students to a maximum of 6 hours.

541 Foodservice Organization and Management. (3) I. Prerequisite: NFA 345. Administrative functions within a food service system. Emphasis in top management responsibilities: budgeting, legislation, labor unions, time management, PERT, EOQ, conflict management, energy conservation.

555. Seminar in Food Administration. (1-3) A. Formerly HEC 418. Prerequisite: NFA 541. Reports and discussion of topics relative to the area of food administration. May be retaken by graduate students to a maximum of 6 hours.

556 Special Problems in Food Administration. (1-3) A. Prerequisite: NFA 541. The student chooses a problem and works under the supervision of an instructor. May be retaken by graduate students to a maximum of 6 hours.

GRADUATE COURSES

601 Advanced Nutrient Study. (3) A.
602 Advanced Diet Therapy. (3) A.
604 Nutrition Assessments. (3) A.
610 Problems in Nutrition. (3) A.
611 Advanced Community Nutrition. (3) I.
617 Field Experience in Community and Clinical Nutrition. (6) A.
620 Community Nutrition Administration. (3) II.
641 Volume Foodservice Management. (3) A.

TCF—Textiles, Clothing, and Fashion

101 Apparel Selection. (3) I, II. Principles of clothing selection including design principles, wardrobe analysis, care and repair of clothing, consumer buying and protection.

102 Introductory Clothing Construction. (3) I, II. Formerly HEC 102, HEC 203. Basic principles of clothing construction; selection, alteration, and fitting of commercial patterns.

201 Introduction to Textiles. (3) I, II. Formerly HEC 201, HEC 308. Introduction to yarns, fibers, fabrics, and finishes, with emphasis on consumer use.

203 Pattern Alteration and Fitting. (3) II. Prerequisite: TCF 102. A basic study of pattern alteration and fitting, using commercial patterns.

219 Fashion and the Industry. (3) I. The study of fashion and the fashion industry from fiber producer to designer to manufacturer. Includes auxiliary fashion enterprises such as fashion periodicals.

239 Fashion Display. (3) II. Principles and techniques used in the display of fashion merchandise and their application in planning and actual display of fashion goods for store windows and interiors.

301 Fundamentals of Textiles. (3) I, II. Formerly TCF 201, HEC 202. Prerequisite: CHE 102 and TCF 201. A study of fibers, fabrication, and finishes with limited physical and chemical examination.

305 Techniques in Apparel. (3) A. Formerly HEC 305. Prerequisite: TCF 102, 203 or instructor approval. Advanced techniques in apparel construction with emphasis on use of special fabrics.

310 Historical Costume and the Social Order. (3) I. History of dress from ancient Egypt through the 20th century. Factors which influence the style of dress are studied and relationship between costume of the past and current modes.

312 Flat Pattern Design. (3) A. Formerly HEC 312, 512. Prerequisites: TCF 102, 203, or instructor approval. A study of the development of original design through flat pattern techniques.

319 Fashion Merchandising. (3) I. Prerequisite: TCF 219. The merchandising of fashion apparel, including planning fashion assortments and budgets, controlling merchandise, buying procedures, vendors and vendor relations. Practice in merchandising mathematics.

349 Cooperative Study in Textiles, Clothing and Fashion. (1-8) I, II, S. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 8, associate; 16, baccalaureate. A minimum of 80 hours work required for each academic credit.

402 Textiles for Architectural Interiors. (3) A. Formerly TCF 502. Prerequisite: TCF 201. Characteristics, properties, specifications, and uses of textiles for architectural interiors.

410 History of Textiles. (3) II. Prerequisite: TCF 201. The study of the development and economic importance of textiles from prehistoric time to the present.

411 Tailoring. (3). A. Formerly HEC 411. Prerequisite: TCF 102, 203. Application of tailoring techniques to garments made from commercial patterns.

412. Costume Design Through Draping. (3) A. Formerly HEC 412; HEC 555. Prerequisite: TCF 102, 203 or instructor approval. A study of costume design through application of draping techniques, using the half scale figure.

413. The Professional in Fashion Merchandising. (2) II. Formerly HEC 413. Prerequisite: TCF 349 or concurrent enrollment and TCF 319. Insight into problems of store management and personnel training as found in fashion organization. Preparation for the fashion merchandising practicum including resumes, cover letters, and interviews.

414 Fashion Merchandising Practicum (10) A. Formerly HEC 414. Prerequisite: TCF 349, TCF 413 or concurrent enrollment. Supervised practicum in a retail store studying aspects of the merchandising of textile and clothing products.

508 Textile Testing and Evaluation. (3) I, II. Formerly HEC 508. Prerequisites: CHE 101, 102, TCF 201, 301. A study of chemical and physical testing of fabrics, detergency, textile legislation and standards. Individual problems and projects.

510 Socio-Psychological Factors of Apparel. (3) A. Formerly HEC 510. Prerequisites: TCF 101 or instructor approval. Social, cultural, and psychological factors which influence personal satisfaction in selection and use of apparel.

517 Textiles, Fashion and Merchandising Tour (1-3) A. Prerequisite: instructor approval. Tour of wholesale and retail outlets in fashion industry centers. Professional exposure to many aspects of the fashion industry. Special study project. May be retaken to maximum of 6 hours.

519 Special Problems in Textiles. (1-3) A. Formerly HEC 519. Prerequisite: instructor approval. The student selects a problem and works under the supervision of the instructor. May be retaken by graduate students to a maximum of 6 hours.

DEPARTMENT OF
INDUSTRIAL EDUCATION AND TECHNOLOGY

Craft, C., Chair; Brooker, G. Brown, T. Brown, Chastain, E. Davis, Fardo, Gilliland, Hansson, Herbert, Jenkins, Joyner, F. Karr, Lash, J. Luy, L. Martin, Masterson, Ogle, D. Patrick, Poe, Prewitt, Rowlett, Sexton, Smathers, Spencer, Stratman, Swinford, Torbett, J. Way, M. Williams.

The Department of Industrial Education and Technology prepares industrial arts teachers for the secondary schools, vocational-industrial and technical teachers for vocational-technical schools, manual arts therapists for the Veterans Administration Hospitals, and technicians and technologists for construction and manufacturing industries.

The four-year comprehensive area, specialized area, and first majors in industrial arts education are programs designed to prepare industrial arts teachers to teach industrial education subjects at the orientation and exploration levels in junior or senior high schools. The four-year manual arts therapy major prepares therapists with a broad background in industrial arts education with emphasis in crafts.

The two-year and four-year vocational-industrial and technical education degrees prepare industrial education teachers who plan to teach at the preparation level. The two-year program is an in-service program, and the four-year program is a pre-service program.

The Bachelor of Science degree in construction technology is a four-year degree designed to prepare students to function in supervisory and management roles in the construction industry. The program provides an understanding of both the technical and management functions in the construction industry combined with foundations in business organization, mathematics, and the sciences. A student can elect an area major or first major in construction technology.

The Bachelor of Science degree in industrial technology is a four-year degree designed to prepare industrial technologists. The degree provides both breadth and depth in technical areas with a foundation in management, mathematics, natural science, social sciences, and communication to prepare the individual to function in an industrial environment. A student can elect to pursue an area major, first major or second major, or minor in industrial technology.

The department offers a number of two-year programs designed to prepare technicians for industry. These programs lead to the Associate of Science degree in:

Broadcast Engineering Technology
Computer Electronics Technology
Drafting and Design Technology
Energy and Electrical Power Technology
Industrial Electronics Technology
Printing Technology
Quality Assurance Technology
Wood Technology

Construction Technology

AREA MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **51 hours**
CON 121; 221; 300; 321; 322; 324; 421; 422; 424; 425; IET 190 or 191; 349; 351; 356; 394; 3 hours IET elective; OSH 362.
Supporting Course Requirements ..... **31 hours**
ACC 201; ECO 230; GLY 207; MAT 109 (or 107 and 108); MGT 300; PHY 131; 9 hours from ENG 300; FIN 300; INS 370; GBU 204; MGT 330; RST 310; MAT 121; OAD 151.
General Education Requirements..... **37 hours**
Standard General Education program excluding course categories 03, 04, 09, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **9 hours**
Total Curriculum Requirements ..... **128 hours**

FIRST MAJOR IN CONSTRUCTION TECHNOLOGY

A student with a second major or minor in another field may pursue a first major in construction technology by completing the following courses: IET 190 or 191, 349, 394; CON 221, 300, 321, 322, 324, 421, 422, 424. The same supporting courses are required for the first major in construction technology as for the area major in construction technology.

Industrial Arts Education (Teaching)

COMPREHENSIVE AREA MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **48 hours**
IET 141; 180; 191; 233; 238; 311; 326; 351; 394; 367* or IET elective; and 1 of the following options:

Option I (Communications, Transportation and Power, Construction) IET 242, 357, 372, 461, 464, 465.
Option II (Communications, Manufacturing, Construction) IET 242, 281, 357, 461, 462, 465.
Option III (Manufacturing, Transportation and Power, Construction) IET 242, 281, 372, 462, 464, 465.
Option IV (Communications, Manufacturing, Transportation and Power) IET 281, 357, 372, 461, 462, 464.

Supporting Course Requirements ..... **37 hours**
IET 261, 361, EDF 102, 202, 317, ESE 452, 498, 499, MAT 100, SED 388.
General Education Requirements..... **52 hours**
Standard General Education program excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **0 hours**
Total Curriculum Requirements ..... **137 hours**

*A graduate of the above program shall have a minimum of 1,000 hours of work experience related to the goals of teacher preparation in industrial education or a minimum of 320 hours of supervised work experience.

AREA MAJOR FOR DUAL CERTIFICATION IN MANUAL ARTS THERAPY AND INDUSTRIAL ARTS EDUCATION (TEACHING)

Those desiring preparation as both an industrial education teacher at the orientation/exploration level and as a manual arts therapist should follow the comprehensive area major in industrial arts education, substituting IET 312 and 328 for IET 238 and 394, and completing these additional courses:
BIOL 301 and 378 ..... 4 hours
PHE 320 ..... 2 hours
PSY 308 ..... 3 hours

Industrial Arts Education (Teaching)

SPECIALIZED AREA MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **48 hours**
IET 141; 180; 191; 233; 238; 311; 351; 367*; 372; 9 hours from IET 461, 462, 464, 465; 12 hours IET technical elective.**
Supporting Course Requirements ..... **44-45 hours**
IET 261; 361; EDF 102; 202; 317; ESE 452; 498; 499; MAT 109, or 107 and 108; PHY 131; SED 388.
General Education Requirements..... **46 hours**
Standard General Education program excluding course categories 03, 04, and 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **0 hours**
Total Curriculum Requirements..... **138-139 hours**

*A graduate of the above program shall have a minimum of 1,000 hours of work experience related to the goals of teacher preparation in industrial education or a minimum of 320 hours of supervised work experience.

**Fifteen semester hours (minimum-maximum) are required in one IET technical subject area.

Industrial Arts Education (Teaching)

FIRST MAJOR, BACHELOR OF SCIENCE

Students with a second major or minor in another field may pursue a first major in industrial arts education by completing the following courses and the supporting course requirements listed for the comprehensive industrial arts area major:

IET 141, 180, 191, 242, 311, 326, 351, 367*, and 1 of the following options:

Option I (Construction and Communication) IET 357, 394, 461, 465.
Option II (Construction and Manufacturing) IET 238, 394, 462, 465.
Option III (Construction and Transportation and Power) IET 372, 394, 464, 465.
Option IV (Communication and Manufacturing) IET 238, 357, 461, 462.
Option V (Communication and Transportation and Power) IET 357, 372, 461, 464.
Option VI (Manufacturing and Transportation and Power) IET 238, 372, 462, 464.

*A graduate of the above program shall have a minimum of 1,000 hours of work experience related to the goals of teacher preparation in industrial education or a minimum of 320 hours of supervised work experience (IET 367).

Industrial Technology

AREA MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **57 hours**
IET 190 or 191; 238; 302; 308; 406; 408; 9 hours from IET 180/281, 244; 311; 351; 372; 30 hours IET electives.
Supporting Course Requirements ..... **26-28 hours**
ECO 230; 300; MAT 109, or 107 and 108 (or 261); MGT 300; PHY 131; 132; 3 hours computer programming. Students with a graphic arts specialization may substitute CHE 101 for PHY 132.
General Education Requirements..... **37 hours**
Standard General Education program, excluding course categories 03, 04, 09, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Cooperative Education or Free Electives..... **6-8 hours**
Total Curriculum Requirements ..... **128 hours**

*IET specialization to be fulfilled through completion of a minimum of 30 hours in 1 or 2 technical areas as follows:

Dual Specialization Option: Two of the following will fulfill the 30 hour specialization requirement:

Architectural Drawing: IET 293, 391, 394, 396, 496
Electronics: IET 351, 352, 357, 358, 359, 3 hours elective from IET 356, 451, 454, 456.
Graphic Arts: IET 311, 312, 315, 317, 391, 411.
Metals: IET 180, 281, 382, 487, 488, 3 hours elective from IET 384, 385, 386.
Power Mechanics: IET 372, 373, 374, 376, 471, 472.
Technical Drawing: IET 180 or 281; 191; 292; 391; 395; 492; 495.
Woods IET 141, 242, 244, 344, 345, 3 hours IET elective.

Single Specialization Option: One of the following will fulfill the 30 hour specialization requirement:
Architectural/Technical Drawing: IET 180 or 281; 191; 292; 293; 391, 394, 395, 396, 492, 495, 496, 3 hours from CON 221, GEO 355, IET 332, 382, 591, IDH 426.
Communication Electronics: IET 220, 221, 351, 352, 357, 358, 359, 454, 455, 456, 3 hours IET elective.
Computer Electronics: IET 351, 357, 358, 359, 451, 456, 458, CSC 110, 174, 200.
Energy and Electrical Power: CHE 101, CON 324, IET 250, 351, 352, 356, 359, 372, 374 or 376, 456, PHY 110.
Graphics Arts: IET 311, 312, 315, 317, 349 (3 hours), 391, 411, ACC 201, 6 hours from ACC 202, CIS 250, FIN 300, MGT 320, 330, MKT 300, 315.
Industrial Electronics: IET 351, 352, 356, 357, 358, 359, 372, 374 or 376, 451, 452, 456.
Metals: IET 180, 281, 292, 382, 384, 385, 386, 487, 488, 589 (or 372 and 374)
Maintenance: IET 141, 180, 281, 351, 352, 356, 372, 374, 382, 394, CON 321, 324, OSH 362.

FIRST MAJOR OR MINOR IN INDUSTRIAL TECHNOLOGY

A student with a second major or a minor in another field may pursue a first major in industrial technology by completing IET 190 or 191; 302; 308; 406; 408; 6 hours from IET 180/281, 238, 244, 311, 351, 372; the same supporting course requirements as for the area major in industrial technology; and 18 hours of required courses in one area of specialization as follows:

Architectural Drawing: IET 293, 391, 394, 395, 396, 496.
Communications Electronics: IET 220, 221, 351, 357, 358, 454, 455.
Computer Electronics: IET 351, 357, 359, 456, 458, CSC 174, 180.
Energy and Electrical Power: IET 250, 351, 352, 356, 359, 372, 456, CON 324.
Graphic Arts: IET 311, 312, 315, 317, 391, 411, 3 hours IET elective.
Industrial Electronics: IET 281, 351, 352, 357, 358, 372, 451, 452.
Metals: IET 180, 191, 281, 292, 382, 487, 488, 3 hours from IET 384, 385, 386.
Power Mechanics: IET 372, 373, 374, 376, 471, 472, 3 hours elective.
Technical Drawing: IET 191, 292, 391, 394, 395, 492, 495.
Woods: IET 141, 242, 244, 344, 345, 6 hours IET elective.

A student with a first major in another field may pursue a minor in industrial technology by completing the following courses in one area of specialization:

Architectural Drawing: IET 191, 292, 293, 391, 394, 395, 396, 496.
Communications Electronics: IET 190 or 191, 220, 221, 351, 357, 358, 454, 455.
Computer Electronics: IET 190 or 191, 351, 357, 358, 359, 451, 456, CSC 180.
Energy and Electrical Power: IET 190 or 191; 250; 351; 352; 356; 359; 372; 456.
Graphic Arts: IET 190 or 191; 311; 312; 315; 351; 391; 411; 3 hours graphic arts elective.
Industrial Electronics: IET 190 or 191; 351; 352; 357; 358; 372; 451, 452.
Metals: IET 180; 191; 281; 292; 351; 382; 487; 3 hours from 384, 385, 386, 488.
Power Mechanics: IET 190 or 191; 351; 372, 373; 374; 376; 471; 472.
Technical Drawing: IET 191, 281, 292, 293, 391, 395, 492, 495.
Woods: IET 141; 190 or 191; 242; 244; 344; 345; 351; 3 hours of woods elective.

Vocational-Industrial and Technical Education (Teaching)*

AREA MAJOR, BACHELOR OF SCIENCE

Major Requirements

Professional Industrial Education ..... 19 hours
IET 261, 361, 364, 463
Technical Industrial Education ..... 48 hours
IET elective.**
Supporting Course Requirements ..... 6 hours
EDF 317, SED 388
General Education Requirements ..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... 128 hours

*Graduates of this program shall have a minimum of 2,000 clock hours of planned and supervised work experience in the occupation in which they plan to teach, or a minimum of 3 years of approved work experience in the occupation in which they plan to teach.

**Laboratory courses in the area, or related to the area, in which the individual proposes to teach as approved by advisor. Eighteen semester hours maximum may be allowed by proficiency examination (IET 204, 205, 206, 304, 305, and 306). Nine semester hours maximum may be allowed for supervised work experience (IET 367).

Broadcast Engineering Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... 35 or 37 hours
IET 190 or 191; 207; 220; 221; 225; 351; 352; 357; 358; 359; 454; 455.
Supporting Course Requirements ..... 19 hours
MAT 107, 108, PHY 131, 132, RTV 225
General Education Requirements ..... 13 hours
ATO 100; ENG 101 and 102, or 105; HPR 180, 181; 4 hours restrictive elective.
Total Curriculum Requirements ..... 67 or 69 hours

Computer Electronics Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... 30 hours
IET 190 or 191; 207; 351; 357; 358; 359; 451; 452; 456; 458.
Supporting Course Requirements ..... 22 hours
CSC 174, 180, MAT 107, 108, PHY 131, 132.
General Education Requirements ..... 15 hours
ATO 100; ENG 101 and 102, or 105; HPR 180; 4 hours of restrictive elective and 3 hours of General Education humanities or social science.
Total Curriculum Requirements ..... 67 hours

Drafting and Design Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... **30 hours**
IET 191, 207, 281, 292, 391, 394, 395, 492, and 6 hours elective from 293, 349 (3 hours maximum), 396, 495, 496.
Supporting Course Requirements ..... **20 hours**
ART 117, CSC 174, ECO 230, MAT 107, 108, PHY 131.
General Education Requirements..... **13 hours**
ATO 100; ENG 101 and 102, or 105; HPR 180; 181; 4 hours restrictive elective.
Free Electives ..... **3 hours**
Total Curriculum Requirements ..... **66 hours**

Energy and Electrical Power Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... **33 hours**
CON 324; IET 190 or 191; 207; 250; 351; 352; 356; 359; 372; 374 or 376; 456.
Supporting Course Requirements..... **18 or 20 hours**
CHE 101; MAT 107; 108; PHY 110 and 131 or 131 and 132.
General Education Requirements..... **13 hours**
ATO 100; ENG 101 and 102, or 105; HPR 180; 181; 4 hours restrictive elective.
Total Curriculum Requirements ..... **64 or 66 hours**

Industrial Electronics Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... **36 hours**
IET 190 or 191; 207; 351; 352; 356; 357; 358; 359; 372; 376; 451; 452.
Supporting Course Requirements ..... **16 hours**
MAT 107, 108, PHY 131, 132.
General Education Requirements..... **13 hours**
ATO 100; ENG 101 and 102 or 105; HPR 180; 181; 4 hours of restrictive elective.
Total Curriculum Requirements ..... **65 hours**

Printing Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... **34 hours**
IET 190 or 191; 207; 302 or 308; 311; 312; 315; 317; 349 (4 hours); 351; 391; 411.
Supporting Course Requirements ..... **10 hours**
ACC 201, CHE 101, MAT 107
Genreal Education Requirements..... **19 hours**
ATO 100; ENG 101 and 102, or 105; HPR 180; 181; 3 hours General Education social science elective; 4 hours restrictive elective; 3 hours General Education elective.
Free Electives ..... **1 hour**
Total Curriculum Requirements ..... **64 hours**

Quality Assurance Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... **30 hours**
IET 190 or 191; 281; 302 or Introduction to Quality Control and Total Quality Control at CKSTVS*; 308; 349 (4 hours), 406; and the following courses at CKSTVS*: Metrology; Statistical Quality Control I; Purchased Material: Quality Assurance, Quality Cost, Statistical Quality Control II or Shop Floor Controls; Preproduction and Planning and Technical Report Writing.
Supporting Course Requirements ..... **18 hours**
CSC 174, ECO 230, MAT 107, PSY 211, STA 270, 271.
General Education Requirements..... **16 hours**
ATO 100; ENG 101 and 102, or 105; HPR 180; 181; 3 hours of General Education social science or humanities; 4 hours restrictive elective.
Total Curriculum Requirements ..... **64 hours**

*This is a cooperative program sponsored by Eastern Kentucky University and the Central Kentucky State Vocational Technical School in Lexington, Kentucky. Students are expected to take courses in both locations.

Vocational-Industrial and Technical Education (Teaching)*

ASSOCIATE OF SCIENCE

Major Requirements ..... **24 hours**
IET Technical Electives**
Supporting Course Requirements ..... **20 hours**
IET 261, 264, 364, 463***, 1 hour professional elective.
General Education Requirements..... **21 hours**
ATO 100; ENG 101 and 102, or 105; MAT 100; 3 hours of General Education humanities or social science; 3 hours natural science or symbolics of information; 5 hours General Education electives.
Free Electives ..... **0 hours**
Total Curriculum Requirements ..... **65 hours**

*This degree program is for those who are teaching in a vocational program.

**Laboratory courses in the area, or related to the area, in which the individual proposes to teach, as approved by the advisor. Graduates of this program shall have a minimum of 4,000 hours supervised work experience or 4 years of occupational experience in the area to be taught. Nine semester hours maximum may be allowed by proficiency examination (IET 204, 205, and 206). Nine semester hours may be supervised work experience (IET 367).

***In-service teachers should substitute IET 469, OSH 366, and 3 semester hours of IET professional courses for student teaching (IET 463 — 10 semester hours).

Wood Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... **39 hours**
IET 141; 190 or 191; 207; 233; 242; 244; 343; 344; 345; 394; 9 hours electives from 180, 281, 292, 326, 332, 333, 351, 357, 358, 372, 374, 376, 382, 383, 384, 385, 451, 452, OSH 362, ACC 201.
Supporting Course Requirements ..... **13 hours**
BIO 131, 300, 336, ECO 230, GSC 171.
General Education Requirements..... **13 hours**
ATO 100; ENG 101 and 102, or 105; HPR 180; 181; and 4 hours of restrictive elective ...
Free Electives ..... **3 hours**
Total Curriculum Requirements ..... **68 hours**

Course Descriptions

CON—Construction Technology

121 Introduction to Construction. (3) II. A survey of the construction industry. Nature, scope, and general characteristics of the industry. Careers in construction.

221 Plane Surveying. (3) I, II. Prerequisite: MAT 109. Principles of surveying, including techniques, field practice, and calculations. Introduction to the general use and care of surveying instruments.

300 Construction Materials. (3) I, II. Composition, manufacture, properties, types, grades, and uses of common construction materials and products.

321 Construction Methods. (3) I, II. Prerequisite: IET 394. Basic types of construction: wood-frame, heavy timber, reinforced concrete, and structural steel. Laboratory activities related to specific techniques involved with each type of construction.

322 Structural Design. (3) II. Prerequisite: CON 321 and MAT 109. Strength of materials and elementary structure analysis. Principles of structural design using wood, steel, and concrete members.

324 Mechanical Installations. (3) II. Prerequisite: CON 321. Plumbing, heating, and air-conditioning systems for residential and commercial buildings. Water supply and drainage systems, heat loss, heat gain.

421 Contracts, Plans, and Specifications. (3) I. Prerequisite: IET 394. General principles of contract documents. Preparation of construction documents, including contracts and specifications.

422 Cost Control and Scheduling. (3) II. Prerequisite: CON 421. Planning and control of construction projects. Time schedules for materials, labor, and equipment. Records of schedules and deliveries.

424 Estimating and Bidding. (3) I. Prerequisite: IET 394. Principles and methods of estimate and bid preparation. Preparation of construction bids from given plans and specifications.

425 Project Organization and Supervision. (3) II. Prerequisites: MGT 300, CON 422. Business policies and problems in relation to construction enterprises. Contractor's organization, financial management, project management, and equipment economics.

IET—Industrial Education and Technology

141 Elementary Woodworking. (3) I, II. Formerly IED/INT 141. Basic instruction in the use of common hand tools; basic machine operations; wood veneering and laminating; problems in carpentry and furniture construction; related technical information; finishing materials and methods.

160 Technical Occupations-Orientation and Survey. (3) A. Formerly IED 160. General survey of technical occupations; development, function, skill, requirements, training, and trends.

180 Hot Metal Processes. (3) I, II. Formerly IED/INT 180. Basic information and operations in foundry practices; forging; heat treating; soldering; and resistance, arc, and oxyacetylene welding.

190 Basic Technical Drawing. (3) I, II. Basic technical drawing involving sketching, lettering, orthographic projection, pictorial representation and drafting techniques.

191 Technical Drawing I. (3) I, II. Prerequisite: One Carnegie unit of credit in high school technical drawing or equivalent. A course designed for the student who has a background in drawing at the high school level. Emphasis placed on size description of multiviews, axonometric projection, perspectives, sectional views, and auxiliary projections.

204 Related Science, Mathematics, and Technology in Occupations I. (3) A. Formerly IED 204. Offered only through written examination; applicant must be eligible for vocational teaching certificate.

205 Manipulative Skills in Occupations I. (3) A. Formerly IED 205. Offered only through technical competence examination; applicant must be eligible for vocational teaching certificate.

206 Knowledge of Related Subjects in Occupations I. (3) A. Formerly IED 206. Offered only through oral examination; applicant must be eligible for vocational teaching certificate.

207 Principles of Industrial Management. (3) I, II. Formerly IET 105 and 106. A practical approach to management to include the organizing, planning, controlling, and developing of operations used in decision making and problem solving. Relationship of human resources to the economic and technological environment of industry.

220 Practicum in Broadcast Operations. (3) A. Formerly INT/IET 220A. Prerequisites: IET 357 and 358. The operation of broadcast communication equipment to include TV cameras and monitors, master switching panels, recording and projection devices; preparation for FCC Licensing.

221 Practicum in Communication Equipment Maintenance. (3) A. Formerly INT/IET 220B. Prerequisite: IET 220. The maintenance of broadcast communication equipment; includes TV cameras and monitors, master switching panels, audio systems, recording and projection devices; continuation of preparation for FCC Licensing.

225 Internship in Broadcasting Engineering. (2 or 4) A. Formerly INT/IET 225A. Coordinated and supervised work experience in broadcast engineering; arranged in approved University facilities or commercial establishments; credit varies with hours of employment; half-time, 2 hours; full-time, 4 hours.

233 Industrial Arts Design. (3) I, II. Formerly IED 233. Study and application of the principles of three-dimensional design related to various media, emphasis placed on experimentation and problem solving in developing and constructing design solutions. Technical illustration techniques to include airbrush, pencil rendering, ink delineation and other methods.

238 Industrial Materials and Processes. (3) I, II. A laboratory course treating a variety of materials to include ceramics, plastics, metals, wood technology, clay, glass, concrete, etc. The content will include the study of the conversion of these materials into different products, as well as appropriate laboratory activities.

242 Intermediate Woodworking. (3) I, II. Formerly IED/INT 242. Prerequisite: IET 141. Advanced woodworking operations; instruction in the operation of woodworking machines; care and sharpening of tools; related technical information; construction and finishing of projects.

244 Wood Technology. (3) A. Formerly IED/INT 244. Wood as a raw material; manufacture, properties, and application of wood and wood-base products; properties and uses of selected wood-related products.

250 Energy Management and Conservation. (3) A. A course designed for those interested in energy management and conservation in industrial, commercial, and residential buildings. The content of the course deals primarily with methods of saving energy in buildings.

261 Foundations of Industrial Education. (3) I. Formerly IED 261. A study of the historical, philosophical, economical, sociological and psychological foundations of industrial education related to elementary, secondary, and post-secondary education.

263 Trade and Technical Occupational Analysis. (2) A. Formerly IED 263. Involves the fundamental steps for analyzing trade and technical occupations in order to establish appropriate units of instruction.

264 Instructional Materials. (3) A. Formerly IED 264. Selection and arrangement of teaching content; preparation of assignment, operation and information sheets; development of instructional techniques and general curriculum at appropriate levels of industrial education.

281 Cold Metal Processes. (3) I, II. Formerly IED/INT 281. Basic information and operations in cold metal forming and fastening to include sheetmetal and machine tool processes.

292 Technical Drawing II. (3) I, II. Formerly IED/INT 292. Prerequisite: IET 191. Preparation of detail and assembly drawings; production illustrations; screw threads and fasteners; shop processes; dimetric projections; secondary auxiliaries; reproduction processes and materials.

293 Technical Drawing III. (3) A. Formerly IED/INT 293. Prerequisite: IET 190 or 191. Advanced drafting techniques with special emphasis on map drafting and elementary surveying.

302 Quality Control. (3) A. Course topics include the purposes and goals of quality control, economics of quality control, quality engineering, statistics and probability in quality control, and the functions of a quality control/assurance program in a manufacturing setting.

304 Related Science Mathematics, and Technology in Occupation II. (3) A. Formerly IED 304. Offered only through written examination; applicant must be eligible for vocational teaching certificate.

305 Manipulative Skills in Occupation II. (3) A. Formerly IED 305. Offered only through technical competence examination; applicant must be eligible for vocational teaching certificate.

306 Knowledge of Related Subjects in Occupation II. (3) A. Formerly IED 306. Offered only through oral examinations; applicant must be eligible for vocational teaching certificate.

308 Motion and Time Study. (3) A. A laboratory course which examines human factors in motion and time study, motion economy, analysis and charts, photographic and electronic techniques, film

analysis, effort rating, work measurement, direct time study, predetermined time study, and standards for pay and production.

311 Graphic Arts I. (3) I, II. Formerly IED/INT 311. General graphic arts including study and activities in hand composition, elementary presswork, silkscreen principles, layout and design procedures, offset lithography and photography.

312 Graphic Arts II. (3) II. Formerly IED/INT 312. Prerequisite: IET 311. Advanced graphic arts with emphasis on automatic machine printing, production techniques, photography, and layout and design as they relate to offset lithography.

315 Photography I. (3) I, II. Formerly IED/INT 315. Black and white picture composition, exposure calculations, film development, contact printing, enlarging, dodging, finishing, and the study and care of equipment. Not open to students with credit for another college photography course. Each student required to provide camera.

317 Printing Supervision and Control. (3) II. Prerequisites: IET 312 and 302 or 308. Topics inclue estimating, purchasing, production planning and control, and work and time standards. Emphasis is placed on the study of a job production system.

322 Crafts for Children. (3) I. Formerly IED 322. Introduction to various craft media and their application in recreational elementary crafts programs. Emphasis on activities appropriate for children and the use of inexpensive and readily available materials.

326 Crafts. (3) I, II. Formerly IED 326. Introduction to various craft media: leather, art metal enameling, wood carving, metal-spinning and other appropriate craft materials.

328 Jewelry-Making and Lapidary. (3) II. Introduction to lapidary and jewelry work; cabochon cutting; grinding and polishing; design and construction of costume jewelry using silver, copper, and gold; centrifugal casting, using the lost wax process.

332 Product and Furniture Design. (3) I. Prerequisite: IET 391. Elements of product and furniture design with emphasis on experimentation and problem solving. Laboratory activities to include the development of design solutions, drawings, illustrations, models and the construction of a small product.

333 Special Problems in Industrial Technology. (1-6) A. Formerly INT 333. **333a.** Drafting; **333b.** Graphic Arts. **333c.** Power Mechanics; **333d.** Electricity-Electronics; **333e.** Woods; **333f.** Metals; **333g.** Industrial Technology-general. (Credit in any category is limited to 6 hours.)

343 Advanced Woodworking. (3) A. Formerly IED 343. Prerequisite: IET 242. Additional practice in furniture construction involving skill in the use of machines and hand tools; special machine operations and construction techniques; maintenance of woodworking equipment.

344 Wood Processing I—Production Woodworking. (3) A. Prerequisite: IET 242. Industrial machines and processes employed in the manufacture of wood products; planning and mass-producing a fabricated wood product; 1 industry field trip required.

345 Wood Processing II—Seasoning, Veneering, and Laminating. (3) A. Prerequisite: IET 141. Principles and practices of wood seasoning by air, kiln, and other methods; materials and methods of wood veneering materials and methods of applying plastic laminates and vinyl films; 2 industry field trips required.

349 Cooperative Study in Industrial Education and Technology. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours; 8 associate; 16, baccalaureate. A minimum of 80 hours work required for each academic credit.

351 Fundamentals of Applied Electricity. (3) I, II. Formerly IED/INT 351. Principles of static and current electricity; measures of electricity; heat, light and power applied to the planning and construction of electrical installations.

352 Rotating Electrical Machinery and Power Distribution. (3) I, II. Formerly IED/INT 352. Prerequisite: IET 351. Principles of electrical motors and generators; control processes; electrical power production and distribution.

356 Electrical Power Systems and Control Applications. (3) A. Formerly IED/INT 356. Prerequisite: IET 351. Modern electrical power systems; the production, distribution, measurement and control of electrical power systems; single phase and polyphase transformers, and other control devices.

357 Electronic Devices. (3) I. Prerequisite: IET 351. A technical analysis of static and dynamic characteristics of typical vacuum tube, gaseous tubes, and solid state electronic devices.

358 Electrical and Electronics Circuit Analysis. (3) A. Prerequisite: IET 351. Electrical and electronic calculations and circuit analysis techniques. Emphasis on problem solving, supplemented by laboratory analysis of direct and alternating current electrical and electronic circuits.

359 Computer Logic Circuits. (3) A. Prerequisite: IET 351. The study of logic circuit digital systems, computer operational characteristics, memory systems, and control circuitry.

360 Principles of Vocational Guidance. (3) A. Formerly IED 360. Methods and techniques involved in exploring, selecting, preparing for, entering upon, and succeeding in a vocation. Designed for vocational teachers and administrators.

361 Course Materials in Industrial Education. (3) I, II. Formerly IED/IET 467. The preparation of instructional materials and instructional techniques, including the development and use of visual aids. The content will include the development of curricula at appropriate levels of industrial education, as well as appropriate laboratory activities.

362 Directed Work Experience. (1-3) A. An "In-house" activity within the facilities of the IET department involving the maintenance and repair of equipment. The student will schedule from 3 to 9 hours of work per week per semester in an appropriate laboratory. This course may be repeated for a maximum of 3 hours credit.

363 Evaluation in Vocational and Technical Education. (3) A. Formerly IED 363. Methods of evaluation, preparation of measuring devices; methods of assessing technical competency; interpretation of standardized test results; statistical analysis of test data and the improvement of instruction.

364 Methods in Vocational-Industrial and Technical Education. (3) A. Formerly IED 364. Presentation and application of instructional materials, methods, techniques and devices relevant to teaching vocational-industrial and technical subjects.

365 Philosophy of Vocational-Industrial and Technical Education (3) A. Formerly IED 365. Nature and purpose of the practical arts and vocational-industrial and technical education; their relationship and differences; the place of each in preparing people for the world of work.

366 Instructional Aids in Vocational-Industrial and Technical Education. (3) A. Formerly IED 366. Selection, development, analysis, cataloging, and use of commercial and self-made instructional materials suitable for vocational-industrial and technical education.

367 Supervised Work Experience in Industry. (1-3) A. Formerly IED 367. Supervised employment in industry. Assignments individually arranged by the University coordinator and the cooperating industry. Written reports required. This course may be repeated for a maximum of 9 semester hours credit. Students are graded on a satisfactory-unsatisfactory basis.

368 Workshop in Vocational-Industrial and Technical Education. (2-6) A. Formerly IED 368. **368a.** Graphic Arts; **368b.** Power Mechanics; **368c.** Electricity-Electronics; **368d.** Woods; **368e;** Metals; **368f.** Drafting; **368g.** Professional. (Credit in any category is limited to 6 hours.)

372 General Power Mechanics. (3) I, II. Formerly IED/INT 372. Principles of operation and application of the generation, control, transmission and utilization of power with emphasis on internal and external combustion engines, simple machines and mechanical power transmission devices, fluid power, electrical theory and power, and transportation devices.

373 Power Mechanics II. (3) A. Formerly IED/INT 373. Prerequisite: IET 372. Study of the multi-cylinder engine: fuels and fuel systems, lubrication, cooling, ignition, tests, tune-up, adjustment, and minor repair.

374 Fundamentals of Fluid Circuits and Components. (3) A. Prerequisite: IET 372. The study of the applications, physical laws, and principles of the operation and construction of fluid circuits, and components. Analysis of the properties of fluids, available types of fluid components, and their function within fluid circuits. Similarities and differences between pneumatic and hydraulic systems, components, symbology, circuit design, and calculations.

376 Fluid Power Circuits and Systems. (3) A. Prerequisite: IET 372. The designing, assembling, and operation of fluid power circuits utilizing, pneumatic, hydraulic, and electrical components. Circuit calculations, component selection, circuit troubleshooting, and applications in industry.

382 Machine Tool Processes I. (3) I, II. Formerly IED/INT 382. Prerequisite: IET 281. Projects and problems involving machine operations on the lathe; benchwork; blueprint reading; precision measurement; related technical information.

383 Arc and Oxyacetylene Welding. (3) A. Formerly IED/INT 383.

Formerly IED/INT 283. Manipulative processes and related information basic to successful arc, oxyacetylene, and tungsten inert gas welding; metallurgy of welding; physical testing of weldments. For non-majors only.

384 Electrical Welding. (3) A. Prerequisite: IET 180. A survey of electrical welding processes to include resistance, conventional metallic art, metallic arc gas (MIG), and tungsten inert gas (TIG) welding. Basic metallurgy heat treatment, symbols, and assembly methods related to electric welding.

385 Oxyacetylene Welding. (3) A. Prerequisite: IET 180. A survey of gas welding processes to include conventional oxyacetylene welding, machine cutting, surface metallizing, bronze welding and brazing, and surface hardening. Basic metallurgy, heat treatment, symbols, and assembly methods related to gas welding.

386 Hot Metals Processes II. (3) A. Prerequisite: IET 180. Metal heat treatment and foundry practices. Heat treatment topics to include physical and chemical properties of metal, metallography, and impact, tensile strength, and hardness testing. Foundry topics to include patternmaking, foundry materials, and techniques in shell and sand molding.

391 Technical Illustration I. (3) I, II. Formerly IET 205, 305. Prerequisite: IET 190 or 191. Axonometric projection — isometric, dimetric, and trimetric; oblique; psuedo representations and perspectives; commercial and technical illustration including airbrush, pencil rendering, ink delineations, and other methods.

394 Architectural Drawing I. (3) I, II. Formerly IED/INT 394. Prerequisite: IET 190 or 191. Basic principles of house planning, styles of home architecture, comparative study of building materials, preparation of a complete set of plans and specifications for a small home.

395 Descriptive Geometry. (3) A. Formerly IED/INT 394. Prerequisite: 190 or 191. Application of the theory of orthographic projection to the graphical representation and solution of three-dimensional problems.

396 Structural Drawing (3) A. Prerequisite: IET 394. Basic technical drawing as it relates to the depicting of structural members for structural steel, reinforced concrete, structural wood, and curtain wall construction.

406 Production Planning and Control. (3) A. Prerequisites: IET 302, IET 308 and MGT 300. A senior project laboratory course which examines consumer needs, product design, product engineering, tooling-up for production, establishing production and quality standards, planning and controlling production and quality.

408 Seminar in Industrial Management. (3) I, II. Topics in human relations and production management. To be scheduled the semester just prior to graduation.

411 Graphic Arts III. (3) I. Formerly IED/INT 411. Prerequisite: IET 312. Emphasis on halftone photography, duotones, posterization, and color separation procedures and printing; current trends in the graphic arts industries.

451 Industrial Electronics I. (3) A. Formerly IED/INT 451. Prerequisites: IET 357, 358. Principles of timing, control circuitry, transducers, and gaseous tubes as applied to industrial and commercial installations.

452 Industrial Electronics II. (3) II. Formerly IED/INT 452. Prerequisite: IET 451. Applications of industrial control circuitry, sensing circuitry, and transducers; maintenance and repair of electronic devices.

454 Communications Electronics I. (3) I. Formerly IED/INT 454. Prerequisite: IET 357, 358. Advanced radio communication receiving principles; quality audio reproducing devices; transmitter procedures; transmitting antennas; communications systems; and electronics servicing techniques.

455 Communications Electronics II. (3) II. Formerly IED/INT 455. Prerequisite: IET 454. Principles of television; antenna theory and installation; closed circuit television operation; and television servicing techniques.

456 Microprocessors. (3) I, II. Prerequisite: IET 359. Technical analysis of selected large scale integrated circuits and their digital applications: clock generators, microprocessor architectures, machine level programming, process controllers, semiconductor memory, peripheral interface adapters, and digital to analog converters.

458 Microcomputer Electronics. (3) A. Prerequisite: IET 456. A technical study of the chip-level considerations in the configuration of microprocessor based data acquisition and control systems.

460 Seminar in Vocational-Industrial and Technical Education. (3) A. Formerly IED 460. Individual and group investigations of current problems and issues in the field of vocational-industrial and technical education. Each student will be expected to plan and complete an minor research project and present the findings to the seminar.

461 Visual and Audio Communications. (3) I. Prerequisite: IET Core, IET 357, 361. A course for the IE teacher related to the communications industry and related occupations. The content will include the concepts and principles of drafting, printing, and electrical/electronic communications as these relate to the industry.

462 Manufacturing. (3) I. IET Core, IET 281, 361. A course for the IE teacher related to the occupations, materials, processes, and tools relating to the manufacturing industry. Course components include mass production, designing, and management, and are organized around the content areas of woods, metals, plastics, and industrial crafts.

463 Supervised Student Teaching in Vocational-Industrial and Technical Education. (10) A. Formerly IED 463. Observation, participation, and supervised teaching in vocational-industrial and technical education. Includes experience in lesson planning, classroom management, record keeping, development and use of instructional materials, and directed teaching in approved centers. Students are graded on a satisfactory-unsatisfactory basis.

464 Transportation and Power. (3) II. Prerequisite: IET Core, IET 372, 361. A course for the IE teacher related to the transportation and power industry with related occupations. The content will include power mechanics, electrical theory and power, and fluid power, as these relate to the industry.

465 Construction. (3) II. Prerequisite: IET Core, IET 242, 361. A course for the IE teacher related to the construction industry, its related occupations, and its function in today's economy. The content will include activities in basic carpentry, electrical wiring, plumbing, masonry, and structural building techniques.

469 Seminar in Teaching Industrial Education. (4) A. A seminar in lieu of student teaching at the appropriate level, designed to provide additional certification for students who have completed 4 years of successful teaching experience or for students who have completed the dual certification program.

471 Power Transmission. (3) A. Formerly IED/INT 471. Prerequisite: IET 372. Principles of mechanical, electrical, and fluid power transmission. Disassembly, inspection, and adjusting of mechanical transmission units; construction of fluid power circuits emphasizing their application to modern machines.

472 Chassis and Electrical Systems. (3) A. Formerly IED/INT 472. Prerequisite: IET 372. Detailed study and application of starting, charging, lighting, and accessory circuits; suspension, brakes, power brakes, steering, air conditioning.

487 Machine Tool Processes II. (3) A. Formerly IED/INT 487. Prerequisite: IET 382. Continuation of IET 382 with increased emphasis on machine tool operations; gear cutting; tool and cutter grinding; problems in tool making; related technical information.

488 Machine Tool Processes III. (3). A. Formerly IED/INT 488. Prerequisite: IET 487. Advanced machine tool operations and tool making; heat treating of metals: related technical studies and metrology.

492 Technical Drawing IV. (3) II. Formerly IED/INT 492. Prerequisite: IET 292. Advanced machine drafting dealing with detail and assembly drawings, patent drawing, production illustrations, and tool design.

495 Computer Graphics. (3) I. Prerequisite: CSC 174. Graphics devices; representation and transformation of points and lines; 3-D transformations and projections; plane curves, space curves, and surface descriptions.

496 Architectural Drawing II. (3) II. Formerly IED/INT 496. Prerequisite: IET 394. Preparation of complete plans and specifications for small commercial and large residential buildings; emphasis on modern methods and materials utilized in the building industry; illustrative rendering.

501 Special Problems in Industrial Education and Technology. (3) I, II. Formerly IED 501, INT 501. A course for graduates and exceptional undergraduates involving independent study and research related to problems of a theoretical and/or practical nature. An independent problem is planned by the student prior to enrollment and then approved and supervised by a faculty consultant. Students receiving graduate credit must specify those additional requirements in the problem investigation which warrant that credit.

502 Industrial Materials and Processes. (3) A. Formerly IED/INT 502. Characteristics, utilization and processing of industrial materials such as wood, metals, plastics, clay, glass, concrete, etc.; composition and working qualities; types, grades, availability, and suitability of materials for varying purposes; shaping, forming, cutting, and finishing processes; quality, prices and control of materials and products. Students receiving graduate credit are required to submit an additional technical report, the subject of which is to be approved by the instructor.

IET—Industrial Education and Technology Agriculture

503 New Development in Industry. (1-6) A. Concurrent enrollment in approved industry-sponsored course. One semester hour credit for each week of enrollment (minimum of 20 class hours per week) on satisfactory-unsatisfactory basis. Student required to present proof of completion. May be repeated for total of 12 hours of which no more than 3 hours may be graduate credit. Students receiving graduate credit are required to develop a teaching unit on the new development.

504 Industrial Education Staff Exchange. (2-6) A. For in-service teachers enrolled in a staff exchange program designed to up-date technical skills in an appropriate industrial setting. Written reports are required. First week of exchange is equal to 2 semester hours of credit with 1 additional hour of credit for each additional week. Satisfactory-unsatisfactory grading.

511 Advanced Technical Problems in Graphic Arts. (2-6) I, II. Formerly IED/INT 511. Technical instruction in the graphic arts field. Recent developments, advanced technical and experimental problems, and preparation of technical reports in graphic arts. An independent problem is planned by the student prior to enrollment and then approved and supervised by a faculty consultant. Students receiving graduate credit must specify those additional requirements in the problem investigation which warrant that credit.

520 Industrial Arts for the Elementary Teacher. (3) A. An introduction to basic industrial arts content and methods that can be utilized on the elementary school level. Emphasis on proper and efficient use of basic hand tools and appropriate construction activities.

530 Creative Problem-Solving in Technical Fields. (3) A. Formerly IED/INT 633, IET 633. A review and analysis of basic and applied research in the development of creative behavior with emphasis on its application to industrial teaching and industrial problem solving. Graduate students will be expected to complete a term project demonstrating their creative abilities. Students receiving graduate credit will be required to complete additional readings and papers on selected topics of concern.

533 Workshop in Industrial Education and Technology. (1-4) A. Formerly IED 533. Formerly INT 533. 533a Design; 533b Graphic Arts; 533c Plastics; 533d Power Mechanics; 533e Electronics; 53f Woods; 533g Metals; 533h Crafts; 533i Professional Industrial Education; 533j Drafting; 533k Occupational Safety; 533m Vocational Administration. (Maximum credit in any category is limited to 4 hours.) Workshop requirements will be designated to distinguish between graduate and undergraduate credit.

541 Advanced Technical Problems in Woodworking. (2-6) I, II. Formerly IED/INT 541. Technical instruction in the woodworking field. Recent developments, advanced technical and experimental problems, and preparation of technical reports in woodworking. An independent problem is planned by the student prior to enrollment and then approved and supervised by a faculty consultant. Students receiving graduate credit must specify those additional requirements in the problem investigation which warrant that credit.

551 Advanced Technical Problems in Electricity/Electronics. (2-6) I, II. Formerly IED/INT 551. Technical instruction in the electricity-electronics field; recent developments, advanced technical and experimental problems, and preparation of technical reports in electricity-electronics. An independent problem is planned by the student prior to enrollment and then approved and supervised by a faculty consultant. Students receiving graduate credit must specify those additional requirements in the problem investigation which warrant that credit.

561 Evaluation in Technical Education. (3) A. Formerly IED/INT 561. Strategies and methods for evaluation in technical education; identification and analysis of context, input, process, and outcomes; preparations, use, and analysis of measuring instruments. Students receiving graduate credit are required to develop a comprehensive plan of evaluation for a selected school or school system.

563 Planning of Technical Education Facilities. (3) A. Formerly IED 563. Principles and practices underlying the planning and designing of shops and laboratories for vocational, industrial, and technical education. Students receiving graduate credit are required to design a multi-laboratory facility which complies with existing safety and health laws.

571 Advanced Technical Problems in Power Mechanics. (2-6) I, II. Formerly IED/INT 571. Technical instruction in the power mechanics field; recent developments; advanced technical and experimental problems, and preparation of technical reports in power mechanics. An independent problem is planned by the student prior to enrollment and then approved and supervised by a faculty consultant. Students receiving graduate credit must specify those additional requirements in the problem investigation which warrant that credit.

581 Advanced Technical Problems in Metalworking. (2-6) I, II. Formerly IED/INT 581. Technical instruction in the metalworking field; recent developments, advanced technical and experimental problems, and preparation of technical reports in metalworking. An independent problem is planned by the student prior to enrollment and then approved and supervised by a faculty consultant. Students receiving graduate credit must specify those additional requirements in the problem investigation which warrant that credit.

589 Characteristics and Maintenance of Tools and Machines. (3) A. Formerly IED/INT/IET 489. Prerequisite: IET 382. The characteristics, preventive maintenance, trouble shooting, and repair of woodworking and metalworking tools and machines. Students receiving graduate credit will be required to develop a maintenance plan for an industrial education laboratory.

591 Advanced Technical Problems in Drafting. (2-6) I, II. Formerly IED/INT 591. Technical instruction in the drafting field, recent developments, advanced technical and experimental problems, and preparation of technical reports in drafting. An independent problem is planned by the student prior to enrollment and then approved and supervised by a faculty consultant. Students receiving graduate credit must specify those additional requirements in the problem investigation which warrant that credit.

GRADUATE COURSES

611 Advanced Technical Study in Graphic Arts/_____. (3) A.

631 Advanced Technical Study in Design Technology/_____. (3) A.

641 Advanced Technical Study in Wood Technology/_____. (3) A.

651 Advanced Technical Study in Electronics Technology/_____. (3) A.

661 Supervision in Technical Education. (3) A.

662 Philosophy of the Practical Arts and Vocational Education. (3) II.

663 Organization and Administration of Technical Education. (3) A.

667 Research in Industrial Technology. (3) A.

681 Advanced Technical Study in Metals Technology/_____. (3) A.

691 Advanced Technical Study in Drafting Technology/_____. (3) A.

698 Thesis I. (3) A.

699 Thesis II. (3) A.

OSH—Occupational Safety and Health Technology

361 Introduction to Occupational Safety and Health. (3) I. A discussion of the historical development of industrial accident prevention, development of occupational safety and health legislation and the relationship of safety to industrial, public, and private occupations.

362 Occupational Health and Safety Laws. (3) II. The purposes, rules, and regulations of the William-Steigers and the Kentucky Occupational Health and Safety Acts. Also other related occupational health and safety rules and regulations.

366 Safety Controls and Analysis. (3) A. Management practices and principles as they apply to accident prevention, control, analysis, and evaluation. Current laws, legislation, certification, and professional ethics.

DEPARTMENT OF

MASS COMMUNICATIONS

Harris, J., Chair; Bailey, Cain, Cannon, English, Everett, Feltner, Fraas, Hofer, Kleine, Kolloff, Perry, Serini, Whitlock, Williams, Wolfe, Wright

The primary function of the Department of Mass Communications is to offer instruction in the preparation of messages for the mass media and in the effective utilization of mass media techniques and equipment.

Because of the specialized nature of many of the courses in the Department of Mass Communications, students may find prerequisites required by individual instructors. These may include the ability to type a minimum of 25 words per

minute, the availability of a cassette or other portable tape recorder, and/or the availability of a 35mm camera. When such requirements apply, students will be notified during registration and also at the first class meeting.

Students majoring or minoring in the Department of Mass Communications are required to attain a minimum grade of "C" in all courses specified for the major and/or minor. This requirement does not apply to supporting courses.

In special cases, prerequisites, and the courses for which they are prerequisite, may be taken concurrently only with the permission of the student's advisor.

Broadcasting

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **30 hours**
RTV 225; 250; 325 or 375; 350; 390; 395; 480; 9 hours RTV electives.
Supporting Course Requirements ..... **9 hours**
COM 200 and 6 hours COM electives.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **34 hours**
Total Curriculum Requirements ..... **128 hours**

OPTION IN BROADCAST MANAGEMENT

Major Requirements ..... **30 hours**
Broadcasting Core — 18 hours
RTV 225, 250, 375, 6 hours from 350, 390, 395; 480.
Broadcasting Management Option — 12 hours
RTV 406, 425, 475, PUB 375.
Supporting Course Requirements ..... **9 hours**
COM 200, MGT 300, MGT 320 or 330.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on General Education and University requirements.
Free Electives ..... **34 hours**
To be selected by student from University offerings.
Total Curriculum Requirements ..... **128 hours**

OPTION IN BROADCAST NEWS

Major Requirements ..... **30 hours**
RTV 225, 250, 325, 350, 390, 395, 401, 406, 480, 3 hours departmental electives.
Supporting Course Requirements ..... **9 hours**
COM 200, JOU 201, 401.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on General Education and University requirements.
Free Electives ..... **34 hours**
Total Curriculum Requirements ..... **128 hours**

OPTION IN BROADCAST PRODUCTION

Major Requirements ..... **30 hours**
Broadcasting Core — 21 hours
RTV 225, 250, 375, 350, 390, 395, 480.
Broadcast Production Option — 9 hours
RTV 450, 490, 495.
Supporting Course Requirements ..... **9 hours**
COM 200, 6 hours from THE 110, IET 351, JOU 325.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on General Education and University requirements.
Free Electives ..... **34 hours**
Total Curriculum Requirements ..... **128 hours**

Journalism

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **30 hours**
JOU 201, 307, 310, 325, 401, 405, 9 hours JOU electives, 3 hours 400-500 level COM/JOU electives.
Supporting Course Requirements ..... **6 hours**
COM 200, MKT 320.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on General Education and University requirements.
Free Electives ..... **37 hours**
Total Curriculum Requirements ..... **128 hours**

Public Relations

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **33 hours**
JOU 201; 305; 325 or IET 315; 405 or RTV 406; PUB 375; 480; 485; RTV 225; 375; 350 or 390 or 395; RTV 475.
Supporting Course Requirements ..... **12 hours**
COM 200, MKT 320, IET 311, 312.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on General Education and University requirements.
Free Electives ..... **28 hours**
Total Curriculum Requirements ..... **128 hours**

OPTION IN AGRICULTURAL COMMUNICATIONS

Major Requirements ..... **33 hours**
JOU 201; 305; 325 or IET 315; PUB 375; 480; 485; RTV 225; 375; 390 or 395; 6 hours from JOU 401, 410, 425, RTV 250.
Supporting Course Requirements ..... **9 hours**
COM 200, IET 311, 312.
Minor Requirements ..... **19 hours**
AGR 110, 125, 243, 340, 410, 440, 3 hours AGR electives.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on General Education and University requirements.
Free Electives ..... **12 hours**
Total Curriculum Requirements ..... **128 hours**

OPTION IN SPORTS INFORMATION

Major Requirements ..... **33 hours**
JOU 201; 305; 325 or IET 315; 330; PUB 375; 480 or 485; 530; RTV 250; 330; 375; 350 or 390 or 395.
Supporting Course Requirements ..... **12 hours**
COM 200 or RTV 225, PHE 327, 6 hours from PHE 261, 360, 420, ECO 240.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on General Education and University requirements.
Free Electives ..... **28 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN BROADCASTING

Courses required for a minor in broadcasting are RTV 225, 250, six hours in production courses (350, 390, or 395), 325 or 375, and three hours RTV electives. Courses counting toward the student's major may not be counted toward the minor in broadcasting. Substitute courses will be selected by the student and the departmental advisor.

MINOR IN FILM

Courses required for a minor in film are COM 200, 345, 350, 351, RTV 350, 450. Courses counting toward the student's major may not be counted toward the minor in film. Substi-

tute courses will be selected by the student and the departmental advisor.

MINOR IN JOURNALISM

Courses required for a minor in journalism are COM 200, JOU 201, 310, six hours from JOU 307, 325, 401, and three hours JOU electives. Courses counting toward the student's major may not be counted toward the minor in journalism. Substitute courses will be selected by the student and the departmental advisor.

MINOR IN JOURNALISM (TEACHING)

Courses required for a minor in journalism (teaching) are COM 200, JOU 201, 307, 310, 325, 401, and three hours JOU electives; and EDF 102, 202, 317 (The teaching minor in journalism is open to those students with a first major in art, business education, English, history, or physical education.)

MINOR IN MEDIA SALES

Courses required for a minor in media sales are COM 200, COM 325, COM 450, JOU 470, MKT 320, RTV 475. Courses counting toward the student's major may not be counted toward the minor in media sales. Substitute courses will be selected by the student and the departmental advisor.

MINOR IN PUBLIC RELATIONS

Courses required for a minor in public relations are COM 200 or RTV 225; JOU 201 or RTV 325 or RTV 375; PUB 375; 480; 485; three hours in courses numbered 300 and above taken from the public relations major. Courses counting toward the student's major may not be counted toward the minor in public relations. Substitute courses will be selected by the student and the departmental advisor.

Course Descriptions

COM—Communications

200 Introduction to Mass Communications. (3) I, II. Introduction to the mass media in America, especially newspapers and broadcasting. Analyzes the forces affecting media behavior and studies the impact of mass media on the social, political, and economic sectors of society.

325 Media Production. (3) I, II. Prerequisite: MKT 320. Examination of production principles and methods with practice in copywriting, visualization, and layout. Considers the application of research and communication theory to the creation of advertising.

345 Literature and Film. (3) A. Prerequisites: ENG 101 and 102 and six hours of literature. Examination of the relationships between film and literature through a comparative study of the stylistic and technical elements of the two media. Includes readings of short stories, plays, and novels, and analyses of cinematic adaptations.

350 Cinema History I. (3) I. Historical survey of cinema from its origins to the early artistic successes in sound. Examines developments in directing, acting, editing, and other areas of cinema as an art form. Feature length and short films viewed.

351 Cinema History II. (3) II. Historical survey from the development of sound to the present. Includes theories, styles, and critical positions related to the sound film and considers origins and implications for future directions. Feature length and short films viewed.

450 Media Campaigns. (3) A. Prerequisite: COM 325. Planning, financing, and execution of advertising and sales campaigns through individual and class projects. Includes use of research and coordination of campaign elements.

495-496-497-498-499 Special Problems in Communications (1-3 each) A. Prerequisite: Approval of chair. Six hours maximum credit through any combination of the following courses. Credit may not count toward a major or minor in the Department of Mass Communications.

495 Public Relations. Topic selection and supervisor approval required before enrollment. Three hours maximum credit.

496 Film. Topic selection and supervisor approval required before enrollment. Three hours maximum credit.

497 Journalism. Topic selection and supervisor approval required before enrollment. Three hours maximum credit.

498 Radio. Topic selection and supervisor approval required before enrollment. Three hours maximum credit.

499 Television. Topic selection and supervisor approval required before enrollment. Three hours maximum credit.

500 Studies in Communications. (1-9) A. Prerequisite: Approval of instructor. Study of specific areas of communications through workshops, short courses, institutes, or through the presentation of a specific course which examines timely, topical, or specialized concerns in the field. Specific topic included in schedule book.

550 Readings in Mass Communications. (3) A. Prerequisites: Approval of instructor and senior standing. Critical reading of selected books and magazines relating directly or indirectly to mass communications. Features reviews and seminar discussions of readings chosen to reflect individual student's interests.

JOU—Journalism

201 Newswriting. (3) A. Prerequisites: ENG 101 and ability to type 25 words per minute. Study of the news story. Includes the lead, style, structure, sources, readability, story types, and ethics. Practice in gathering, writing, and evaluating news.

303 Journalism Practicum. (1) I, II. Prerequisite: JOU 201. Supervised practical experience in a journalistic operation. May be taken for a total of 3 hours.

305 Feature Writing. (3) A. Prerequisites: ENG 101 and 102. Writing and submitting articles for publication in newspapers, magazines, and syndicates. Involves studying requirements of periodicals to which sale is attempted and freelancing methods in general.

307 Editorial Writing. (3) A. Prerequisite: JOU 201. Study of editorials, editorial columns, and editorial pages. Provides practice in writing editorials for publication.

310 News Editing. (3) I, II. Prerequisite: JOU 201. Purposes and methods of preparing copy for publication explored through analysis and practice of headline writing, as well as evaluation of news, display, and makeup.

325 Photojournalism. (3) I, II. Prerequisite: JOU 201. Reporting the news with a camera. Stresses recognition, development, and creation of news photographs by providing experiences in shooting, developing, printing, and editing.

330 Sportswriting. (3) A. Prerequisite: JOU 201. Fundamentals of sports writing. Includes daily, feature, and interview stories, as well as preparation of sports commentary and analysis.

349 Cooperative Study: Journalism. (1-8) A. Prerequisites: Junior standing, B average in all courses in the Department of Mass Communications, and approval of the department. Work under faculty and field supervisor in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours; 8, associate; 16, baccalaureate. A minimum of 80 hours work required for each academic credit. May not satisfy journalism major requirements.

401 Advanced Newswriting. (3) A. Prerequisite: JOU 201. Writing and reporting in specialized fields of national, state and local government, labor, science, research, and business. Includes writing and reporting for wire services and daily newspapers.

405 Journalism Law. (3) A. Prerequisite: JOU 201. Examination of the legal philosophies relating to journalism: press freedom, copyright, libel, slander, fair comment, and contempt of court. Emphasizes the privileges and restraints affecting journalism.

401 Advanced Photojournalism. (3) A. Prerequisite: JOU 325. Darkroom techniques in feature photography. Focuses on experiences in coordinating words and news photographs and developing photo pages and photojournalism exhibitions.

415 Advanced Editing. (3) A. Prerequisite: JOU 310. Intensive study of newspaper design. Emphasizes practice in electronic editing, headline writing, and layout.

425 Community Journalism. (3) A. Prerequisites: JOU 201 and JOU 310. Writing and reporting for community newspapers. Includes investigating local government and local sources of information and studying the role and performance of the community newspaper.

450 Newspaper and Magazine Management. (3) A. Prerequisites: JOU 210 and JOU 310. Problems of organization, finance, production, and distribution of daily and weekly newspapers and magazines. Examines factors involved in publishing, staffing, equipment evaluation and purchase, and policy formulation.

470 Print Sales. (3) A. Prerequisite: JOU 201. Problems and practices of newspaper and magazine sales. Includes case studies in print sales development (local, regional, and national), pricing, production, promotion, and campaigns.

PUB—Public Relations

349 Cooperative Study: Public Relations. (1-8) A. Prerequisites: junior standing, B average in all courses in the Department of Mass Communications, and approval of the department. Work under faculty and field supervisors in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours; 8, associ-

PUB—Public Relations

ate; 16, baccalaureate. A minimum of 80 hours work required for each academic credit. May not satisfy public relations major requirements.

375 Public Relations Principles. (3) I, II. Prerequisite: JOU 201 or RTV 375. Survey of business, industrial, eductional, social, and governmental practices in disseminating internal and external information. Includes preparation of promotional materials and campaigns.

378 Public Relations Practicum. (1) I, II. Prerequisite: PUB 375. Supervised practical experience in a public relations operation. May be taken for a total of 3 hours.

480 Public Relations Campaigns. (3) A. Prerequisites: PUB 375 and IET 311. Individual and class projects explore organizational and administrative procedures, techniques, uses of media, and applicable research methods in public relations campaigns.

485 Advanced Public Relations. (3) A. Prerequisites: PUB 375 and IET 311, 312. Intensive public relations study. Encompasses developing public relations materials, designing layouts, developing specifications for publications, and preparing audiovisual story boards and programs.

530 Sports Information Programs. (3) A. Study of the role and function of the Sports Information Director. Includes public relations techniques applied to sports information: press releases, publications programs, office and staff organization, time utilizations, news media, and formats.

RTV—Broadcasting

225 Introduction to Radio and Television. (3) I, II. Survey of the broadcasting industry. Encompasses development, responsibilities, job opportunities, industry codes, as well as the technical aspects of radio and television and brief consideration of programming and production techniques.

250 Broadcast Performance. (3) I, II. Prerequisite: RTV 225. Study of the announcer's role in broadcasting. Stresses practice in performing areas, including radio and television production, microphone and television camera techniques, with an added emphasis on phonetics, pronunciation, and Federal Communications Commission regulations.

325 Broadcast News. (3) I, II. Prerequisites: RTV 225 and ability to type 25 words per minute. Fundamental news concepts peculiar to the requirements of the broadcast media are explored through writing and editing the newscast and examining public affairs programs, editorials, and documentaries.

330 Sportscasting. (3) A. Prerequisites: RTV 250 and RTV 375. Fundamental concepts basic to sports broadcasting are developed through writing and delivering the sportscast and examining the theory and practice of play-by-play announcing.

349 Cooperative Study: Broadcasting. (1-8) A. Prerequisites: junior standing, B average in all courses in the Department of Mass Communications, and approval of the department. Work under faculty and field supervisors in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours; 8, associate; 16, baccalaureate. A minimum of 80 hours work required for each academic credit. May not satisfy broadcasting major requirements.

350 Film Production. (3) I, II. Prerequisite: RTV 225. Principles and procedures of motion picture production, including camera, metering, laboratory processes, editing and projection systems. Emphasizes scripting, filming, and editing the silent film.

353 Film Practicum. (1) I, II. Prerequisite: RTV 350 and approval of instructor. Supervised practical experience in film making, editing, and other aspects of film production. May be taken for a total of 3 hours.

375 Broadcast Writing. (3) I, II. Prerequisites: RTV 225 and ability to type 25 words per minute. Examination of the specialized forms of broadcast writing. Emphasizes both visual and verbal planning elements as well as practical experience in writing commercial, public service, narrative, and documentary copy.

390 Radio Production. (3) I, II. Prerequisite: RTV 225. Fundamentals of the technical and artistic elements of radio production. Includes control room techniques, sound recording, and tape editing.

393 Radio Practicum. (1) I, II. Prerequisites: RTV 390 and approval of instructor. Supervised practical experience on the staff of a radio facility. May be taken for a total of 3 hours.

395 Television Production. (3) I, II. Prerequisite: RTV 225. Study of the basic elements of television production. Includes an introduction to writing, directing, producing, and other technical aspects of commercial television.

398 Television Practicum. (1) I, II. Prerequisites: RTV 395 and approval of instructor. Supervised practical experience on the staff of a television facility. May be taken for a total of 3 hours.

401 Advanced Broadcast News. (3) A. Prerequisite: RTV 325. Advanced study in broadcast journalism, including the use of electronic news gathering (ENG) equipment. Extends the concepts developed in RTV 325.

406 Broadcast Law. (3) A. Prerequisite: RTV 225. Examination of the legal philosophies involved in broadcasting — state and federal statutes, libel and slander, and self-regulation. Emphasizes the privileges and restraints affecting broadcasting.

410 Broadcast Programming. (3) A. Prerequisite: RTV 225. Interrelationships of programs and audiences. Audience and program research. Analysis of individual program formats.

420 Electronic Field Production. (3) A. Prerequisite: RTV 350 or RTV 395. Training in non-studio television production and editing. Provides hands-on field shooting, time-code editing experience, and an understanding of the uses of these skills in both broadcast television and cable.

425 Broadcast Station Management. (3) A. Prerequisite: RTV 225. Study of the successful operation of radio and television stations. Covers staffing, budgeting, types and sources of programs, equipment evaluation and purchase, public relations, and industry-wide regulatory codes.

450 Advanced Film Production. (3) A. Prerequisite: RTV 350. Advanced study in film, including scripting, camera, sound, and an examination of advanced editing processes and relationships between films and other media. Extends the concepts developed in RTV 350.

475 Broadcast Sales. (3) A. Prerequisite: RTV 225. Problems and practices of television and radio sales. Includes case studies in broadcast sales development (local, regional, and national), pricing, promotion, and campaigns.

480 Broadcasting in the Public Interest. (3) A. Prerequisite: RTV 225. Theoretical course dealing with social, political, legal, and economic influences on American radio and television broadcasting.

490 Advanced Radio Production. (3) A. Prerequisite: RTV 390. Program functions in radio communications, including the planning, production, and direction of more complex programs. Utilizes original ideas and methods in documentary and studio productions.

495 Advanced Television Production. (3) A. Prerequisite: RTV 395. Advanced study of commerical television production. Extends the concepts developed in RTV 395.

DEPARTMENT OF

MILITARY SCIENCE

Underwood, J., Chair; Absher, Anderson, Andrews, Boner, Christie, Dietrich, Fish, Hovey, Jenkins, Kirby, Love, McNamara, Murdoch, Rose, Torres.

Eastern Kentucky University's Senior Division Army Reserve Officer's Training Corps (ROTC) has served the University and the nation since 1936 with a twofold mission: the enhancement of citizenship through the development of leadership potential and an appreciation of the roles and missions of our national defense structure; and the preparation of students who are qualified by education, experience, attitude, and inherent qualities for service in the U.S. Army Reserves, National Guard, or regular active service. Completion of the Introduction to Military Science (100-200 level) meets the first of these missions by providing the student a foundation for the development of leadership and managerial skills through life experience and also by serving as a prerequisite for entry into the advanced military science program. The student incurs no military obligation for participation in the Introduction to Military Science. Students whose future employment goals may require leadership or managerial skills, those with an interest in our national defense structure, or those who wish to explore the benefits of a career in the U.S. Army Reserves, National Guard, or regular service are encouraged to take the introductory courses.

THE ROTC PROGRAM

A complete military science program is four years in length and is designed to supplement and complement any regular baccalaureate degree program. Successful completion of the advanced military science program qualifies a student for a commission as a second lieutenant in one of 22 branches of the United States Army. A commission in the U.S. Army Reserve or National Guard as well as a minimum three-to-six month active duty period can be guaranteed upon entry into the advanced program. The following courses (or equivalent) are required for successful completion: MIL 101, 102, 202, 203, 301, 302, 401, 402, and 410 (Military Science Practicum Advanced).

ADVANCED PLACEMENT CREDIT

U.S. military veterans, Reserve, or National Guard personnel who have completed 90 days active duty for training, students with three or more years of junior ROTC, and academic sophomores who complete MIL 210 (Military Science Practicum Basic) may be eligible for entry into the program at the advanced level. Interested students must be pursuing a four-year degree, have a minimum of four full semesters of undergraduate degree work remaining at time of entry, and meet all other requisites for commissioned service. A special program for graduate students is also available.

MINOR IN MILITARY SCIENCE

A student may minor in military science by completing ten hours of advanced military science (MIL 301, 302, 401, and 402) and nine hours from the following electives: EDP 312, FIN 324, foreign language (six hours of the same language), GEO 303, MGT 300, OAD 400, PHY 221, POL 370, PHI 100, and SPE 150. Courses used toward the minor may not be used to meet major or general education requirements.

Course Descriptions

MIL—Military Science

101 Group Dynamics of Leadership. (2) I, II, A. Development of leadership and problem solving abilities; examination of leadership style and counseling techniques; comparison of civilian and military leadership; and analysis of the Constitutional and historical basis for the U.S. Army.

102 Dynamics of Leadership and Operational Teamwork. (2) I, II, A. The student will develop the ability to direct the efforts of small groups, using military map reading skills to solve leadership problems in different branches of the Army.

202 American Military History. (2) I, II, A. Examines U.S. Military history from pre-revolutionary times to post-Vietnam; defines the principles of war; discusses political-military interactions; develops leadership through group contribution in case studies which apply the principles of war to historical periods.

203 Intermediate Leadership and Management. (2) I, II, A. Course provides students with opportunities to apply basic military leadership. Students will engage in both simulated and actual leadership situations, both written and practical, utilizing emergency medical and military scenarios, which develop leadership skills.

210 Military Science Practicum (Basic). (2-4-6 or 8) A. Introduces Military Science in a comprehensive summer field course designed to be taken in lieu of MIL 101, 102, 202, or 203. This course emphasizes practical field application and leadership development.

ADVANCED MILITARY SCIENCE

Prerequisites: Introduction to Military Science, prior active service, Active Duty for training, or Junior ROTC, acceptance by the Professor of Military Science, meet Army qualification standards.

301 Advanced Leadership and Management I. (2) I, A. Introduction to advanced leadership and management, emphasizing the branches of the Army, communication systems, and equipment. Defines principles of leadership; distinguishes between the nontactical and tactical environment; develops leadership through practical application as a leader.

302 Advanced Leadership and Management II. (3) II, A. Develops leadership and management ability and military skills in military communications, weapons, and tactics. Develops leadership and command presence through student presentations and practical application as a leader in field training and physical conditioning.

401 Fundamentals and Dynamics of the Military Team I. (3) I, A. Develop staff officer skills in leadership and management through decision making and problem solving techniques through military planning, administrative and logistical management and detailed training management.

402 Fundamentals and Dynamics of the Military Team II. (2) II, A. Discusses the impact of world affairs on U.S. Armed Forces; defines overall professional and ethical responsibilities of military officers; development of military management techniques; establishes a basic understanding of military justice and the Geneva convention.

410 Military Science Practicum (Advanced). (6) A. Develops leadership through intensive six-week summer field course of rotating leader/command experience in problem analysis, decision making, and troop leading, while providing in depth coverage of technical and tactical subjects.

COLLEGE OF ARTS AND HUMANITIES

JOHN M. LONG, Dean; JAMES K. LIBBEY, Associate Dean

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The purpose of the College of Arts and Humanities is to provide for all students the artistic and humanistic elements of a liberal education. By cultivating the intellect, a liberal education allows men and women to be at home in any society, to be more aware of their own internal and external resources, to choose more capably their values and goals.

By concentrating on mankind's interpretations of itself through the intellectual and expressive arts, the College can provide student both with the understanding to form their own interpretations of what it means to be human and with the skills to express that understanding. The College offers these educational opportunities not only to its own majors and minors but also to students in all other colleges in the University, especially through the humanities component of General Education.

The College of Arts and Humanities offers instruction for professional and pre-professional fields and cooperates especially with the College of Education and the College of Social and Behavioral Sciences in providing upper level courses and programs; it further cooperates with the Graduate School in offering graduate courses and programs.

DEGREES OFFERED

The following degrees are granted: Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, and Bachelor of Individualized Studies.

The Bachelor of Arts is conferred upon students who major in art, English, French, German, Ibero-American Studies, music, philosophy, religion, Russian, Spanish, speech, speech and theatre arts, speech communication and human relations, and theatre arts. The Bachelor of Fine Arts is conferred upon students in art and in performing arts.

GRADUATE PROGRAMS

In cooperation with the Graduate School, the College offers the Master of Arts, Master of Music, and Master of Music Education. The Master of Arts is offered in English, French, and Spanish. The College of Education offers the Master of Arts in Education with an emphasis in art, English, French, music, and Spanish. The departments in the College of Arts and Humanities cooperate in presenting these programs, which are described in the Graduate Catalog.

DEGREE REQUIREMENTS

1. A minimum of 128 hours with a grade-point average of 2.0 overall and in the major are required (the B.I.S. requires a cumulative GPA of 2.5). At least 43 hours must be taken in courses numbered 300 or higher. For other requirements, see General Academic Information, Part Three of this Catalog.
2. The specified General Education program for each major must be completed. See both the description of the major program and Part Three of this Catalog for details.
3. All students must have an area of specialization or a major program. While either a minor or a second major is recommended for all programs, a teaching minor is required for the following teaching majors: French, German, Spanish, Speech, and Speech and Theatre Arts. Some of the hours for the teaching minor may also count as Electives and General Education, as appropriate.
4. Students who transfer from other institutions must earn no fewer than six hours in the area or major at Eastern, the exact minimum to be determined by consultation of the advisor, departmental chair, and dean. At least three hours of the minor must be earned at Eastern.

PLANNED CURRICULUM

Upon completion of 60 hours, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by consulting the faculty advisor in the major department. Teaching majors must have been admitted to the Teacher Education Program prior to the preparation of a planned curriculum. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor.

APPLICATION FOR GRADUATION

Students must file an application for graduation in the dean's office no later than April 30 for December graduation and no later than October 31 for either May or August graduation. It will be the student's own responsibility to plan and register for the proper courses to meet all graduation requirements.

GRADUATE COURSE CREDIT

Courses numbered in the 500 series are open to seniors and graduate students who meet course and program prerequisites. *Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates.* Courses numbered in the 600 series are open only to graduate students.

Bachelor of Individualized Studies Degree

The Bachelor of Individualized Studies degree is administered by the B.I.S. Review Board consisting of faculty and administrators from three colleges: Arts and Humanities, Natural and Mathematical Sciences, and Social and Behavioral Sciences. It is intended for students whose goals extend beyond traditional majors and whose integrative abilities permit them to plan and follow a personalized, unique program (e.g., Medical Illustration, combining biology with art, or Theatre Management, combining theatre with business). A student submitting a proposal to the B.I.S. Review Board should have in the semester of entry a minimum of 30 (no more than 75) hours, a cumulative GPA of 2.5, and a "C" average in ENG 101 and 102, or 105. For further information, see the Associate Dean of the College of Arts and Humanities.

Major Requirements ..... **45 hours**
A minimum of 42 hours, of which at least 27 hours must be at the 300 level or above, selected with the aim of contributing to the interdisciplinary theme, topic, and/or goal; and CAH 498 to be completed in the last semester.
Supporting Course Requirements ..... **0 hours**
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **25 hours**
Total Curriculum Requirements ..... **128 hours**

ARTS AND HUMANITIES COURSES

AHO—Orientation

100 Arts and Humanities Orientation. (1) I. An introduction to the programs of the University and the College. Not open to students with more than 30 semester hours.

CAH—Interdisciplinary

315 Topics in Humanities General Education: _____. (3) A. An experimental General Education course designed to fulfill the requirements for category 08 of Area II. Content will vary with each offering. May not be retaken.

499 Independent Work. (3-9) I, II. Prerequisite: Cumulative GPA of 2.50 in Bachelor of Individualized Studies degree. Independent research and/or field work required for the program of B.I.S.

500 Interdisciplinary or Transdisciplinary Seminar. (3) A. In-depth consideration of problems which involve several disciplines. A different problem may be considered each time the course is offered. May be retaken for a total of 6 hours.

DEPARTMENT OF

ART

Shindelbower, D., Chair; Civey, Dewey, Dozier, Glotzbach, Halbrooks, C. Hale, P. Harris, Helmuth, R. Isaacs, Kurzinger, Todd, Whitcopf.

The Department of Art offers curricula designed to develop the skills and understandings necessary to professional practice in the visual arts, to the teaching of art in the elementary and secondary schools, and to more complete living in our contemporary society.

The curricula are arranged in two undergraduate degree programs, a Bachelor of Arts and a Bachelor of Fine Arts, and one graduate degree program in cooperation with the Graduate School and the College of Education.

Art

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **30 hours**
ART 100, 101, 102, 103, 202, 203, 207, 330, 562, and 3 hours art history elective.
Supporting Course Requirements ..... **6 hours**
ART 390 and 391; 12 hours (or the equivalent) in a foreign language is strongly recommended.
General Education Requirements..... **55 hours**
Standard general education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **37 hours**
Total Curriculum Requirements ..... **128 hours**

Art (Teaching)

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **30 hours**
ART 100, 101, 102, 103, 202 or 239, 203, 204, 207, 430, 562.
Supporting Course Requirements ..... **34 hours**
ART 390, 391, EDF 102, 202, 317, EPY 318, ESE 440, 498, 499.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **9 hours**
Total Curriculum Requirements ..... **128 hours**

Art (Teaching)

AREA OF CONCENTRATION, BACHELOR OF ARTS

Area Requirements ..... **48 hours**
ART 100, 101, 102, 103, 202, 203, 204, 207, 239, 307, 330, 430, 562, 3 hours art history elective, 6 hours art electives.
Supporting Course Requirements ..... **34 hours**
ART 390, 391, EDF 102, 202, 317, EPY 318, ESE 440, 498, 499.
General Education Requirements..... **49 hours**
Standard General Education program excluding course categories 07 and 08. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **131 hours**

MINOR IN ART

A student may minor in art (non-teaching) by completing a minimum of 18 hours as follows: ART 102, 103, 390 or 391, 9 hours of art electives.

MINOR IN ART (TEACHING)

A student may minor in art (teaching) by completing a minimum of 21 hours as follows: ART 102, 103, 390 or 391, 430, 9 hours of art electives.

Art

PRIMARY AND SECONDARY OPTIONS, BACHELOR OF FINE ARTS

The Bachelor of Fine Arts degree is a highly specialized degree program designed to prepare the student for professional practice in the visual arts. The program offers 6 primary options: Ceramics, Design, Jewelry and Metalsmithing, Painting, Printmaking, and Sculpture. The program contains 73 semester hours of art, 18 of which are in a primary option and 9 of which are in a secondary option with the remaining 46 in an art core made up of the following courses: ART 100, 101, 102, 103, 202, 203, 204, 207, 239, 307, 330, 390, 391, 499, 562, art history elective. Each student will complete a primary option and a secondary option except those in design who

complete a 27 semester hour primary option with no secondary option.

Normally, application for entrance into this program is made second semester sophomore year with entrance in the first semester junior year. Students will be expected to have a 2.5 or better GPA in art with a successful portfolio review for entrance into the program, and they must have attained a 3.0 GPA in art for the degree to be granted.

Major Requirements ..... **73 hours**
Art Core ..... 46 hours
Primary Option ..... 18 or 27 hours
Secondary Option ..... 9 or 0 hours
Supporting Course Requirements ..... **0 hours**
General Education Requirements ..... **49 hours**
Standard General Education program excluding course requirements 07 and 08. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **6 hours**
Total Curriculum Requirements ..... **128 hours**

PRIMARY OPTIONS

Primary Option, Ceramics ..... **18 hours**
ART 348, 359, 459, 469 for 9 hours.
Primary Option, Design ..... **27 hours**
With specialities in Advertising, Corporate Design, Illustration, Packaging. Common course requirements for all specialities: ART 205, 206, 350, 351, 449, 450, 455 with additional requirements of IET 311, MKT 320 for Advertising; MKT 300, MKT 450 for Corporate Design; ART 304, 403 for Illustration; MKT 300, MKT 320 for Packaging.
Primary Option: Jewelry and Metalsmithing ..... **18 hours**
ART 339, 340, 342, 439 for 9 hours.
Primary Option, Painting ..... **18 hours**
ART 303, 304, 331, 403 for 6 hours, 503.
Primary Option, Printmaking ..... **18 hours**
ART 331; 6 hours from ART 332, 333, 334, 335; ART 437 for 9 hours.
Primary Option, Sculpture ..... **18 hours**
ART 347 and 426 for 9 hours each.

SECONDARY OPTIONS

Secondary Option, Ceramics ..... **9 hours**
ART 348, 359 for 6 hours.
Secondary Option, Drawing ..... **9 hours**
ART 300, 301, 401.
Secondary Option, Jewelry and Metalsmithing .... **9 hours**
ART 339, 340, 342.
Secondary Option, Painting ..... **9 hours**
ART 303, 304, 403.
Secondary Option, Printmaking ..... **9 hours**
ART 331, 6 hours from ART 332, 333, 334, 335.
Secondary Option, Sculpture ..... **9 hours**
ART 347 for 9 hours.

GRADUATE PROGRAMS

The Master of Arts in Education degree with an option in Art is offered in the College of Education with the cooperation of the Department of Art. The regulations for the degree may be found in the College of Education section of the Graduate Catalog.

Course Descriptions

ART—Art

100 Drawing I. (3) I. Introduction to the basic principles of drawing, placing emphasis on design with value, line, texture.

101 Drawing II. (3) II. Prerequisite: ART 100. Continuation of Drawing I; observation of natural forms.

102 Design, Two-Dimensional. (3) I. Introduction to the abstract characteristics of design with color, line, texture.

103 Design, Three-Dimensional. (3) II. Introduction to the methods, materials, and concepts related to the control of space.

117 Drawing and Design. (3) I, II. Introduction to basic knowledge and skills in art through pencil, tempera, water color, chalk; emphasis on development of understanding and appreciation of design.

200 Art Appreciation: Orientation. (3) I, II. Introduction to the visual arts and their purposes, emphasis on ways and means available to the artist. Student has opportunity for individual expression through a visual arts medium. Not open to art majors or minors.

202 Ceramics I. (3) A. Formerly 229. Introductory experiences with ceramic forming methods, decorating techniques and materials. Emphasis placed upon the application of clay to design problems involving aesthetic value and procedure in the making of fine objects.

203 Painting I. (3) I. Prerequisite: ART 101, 102. Design with color, line, texture with emphasis on color.

204 Painting II. (3) II. Prerequisite: ART 203. Problems in color, line, texture as they relate to painting media.

205 Art Photography. (3) A. Prerequisite: ART 102, 103, or approval of instructor. Introductory course in photography as a visual arts medium.

206 Design I. (3) II. Prerequisite: sophomore standing. Introduction to the world of professional design, its physical and philosophical makeup. Discussion of varied applications of design and problem solving in each of the areas of specialization.

207 Sculpture Survey I. (3) I. Prerequisite: ART 103. Provides an introduction to basic sculpture problems, approaches, and techniques. Problems are set in additive, subtractive, and substitutive processes.

239 Jewelry and Metalsmithing I. (3) I, II. Prerequisite: ART 103. Introductory course covering the basic metal forming and joining techniques of forging, raising, piercing, soldering. Nonferrous metals used.

300 Drawing Media. (3) A. Prerequisite: ART 101. Selected drawing media are investigated.

301 Figure Drawing. (3) A. Prerequisite: ART 101. A course designed to develop an increased understanding of the logic of natural forms with the human figure as the principal source of information.

303 Figure Painting. (3) A. Prerequisite: ART 204. Painting problems involving the human figure.

304 Painting Media. (3) A. Prerequisite: ART 204. An investigation of oil, polymer, encaustic, and lacquer media to determine their applicability to the needs of the artist.

307 Sculpture Survey II. (3) A. Prerequisite: ART 207. Continuation of the introduction to basic sculptural problems, approaches, and techniques begun in ART 207. Problems are set in constructive foundry processes.

330 Printmaking I. (3) A. Prerequisites: ART 101, 102. Basic experiences in relief, intaglio, planographic, stencil processes.

331 Printmaking II. (3) A. Prerequisite: ART 330. Continuation of ART 330 with emphasis placed on concepts and techniques of lithography and etching.

332 Intaglio Printmaking. (3) A. Prerequisite: ART 331. In-depth investigation of intaglio techniques. Includes softground, sugarlift, aquatint, engraving, etching. Color is introduced.

333 Lithography. (3) A. Prerequisite: ART 331. An in-depth investigation of the planographic processes. Drawing, design, and technique are emphasized. Color techniques included.

334 Serigraphy. (3) A. Prerequisite: ART 331. An in-depth investigation of silkscreen techniques. Color introduced.

335 Relief Printmaking. (3) A. Prerequisite: ART 331. An in-depth investigation of relief printing methods stressing woodcut, wood engraving, collagraphs. Color introduced.

339 Jewelry and Metalsmithing II. (3) A. Prerequisite: ART 239. Die forming, embossing, piercing, soldering, chasing, and reposse. Joining methods other than soldering introduced.

340 Jewelry Fabrication. (3) A. Prerequisite: ART 339. In-depth study of fabrication techniques such as: piercing, wirework, chasing and reposse, nillo, reticulation, plating. Metal may be combined with wood, stone, ivory, or leather.

342 Jewelry Casting. (3). A. Prerequisite: ART 339. Involves lost wax casting with the centrifugal, vacuum, and gravity pour processes. Bronze, silver, gold, pewter used.

347 Problems in Sculptural Form. (3, 6) A. Prerequisite: ART 307. Involves in-depth exploration of sculptural problems and processes. May be retaken for a maximum of 9 hours.

348 Ceramics II. (3) A. Prerequisite: ART 202. Basic formulation of clay and glazes.

350 Design II. (3) A. Prerequisite: ART 206. Problem solving in the areas of packaging design, corporate design, advertising design, and illustration.

351 Design III. (3) A. Prerequisite: ART 350. Continuation of ART 350 with emphasis in one of the design areas. Discussions of design environments and philosophies.

359 Ceramics III. (3) A. Prerequisite: ART 348. Fundamental structural problems of ceramic sculpture. May be retaken for maximum of 6 hours.

390 Survey of Art History I. (3) I, II. Study of art from prehistoric times through the Gothic period.

391 Survey of Art History II. (3) I, II. Study of art from the Renaissance to the present day.

393 Greek and Roman Art. (3) A. Prerequisites: ART 390 or approval of instructor. Study of the history of the classical Greek and Roman architecture, sculpture, and painting from the beginnings of Greek art to the time of Constantine.

394 Twentieth Century Painting. (3) A. Prerequisites: ART 391 or approval of instructor. Study of the history of European and American painting from 1900 to the present.

395 Nineteenth Century Painting. (3) A. Prerequisites: ART 391 or approval of instructor. Study of major painting styles of the century, including neoclassicism, romanticism, realism, impressionism, and post impressionism.

401 Advanced Drawing. (3) A. Prerequisites: ART 300, 301. Advanced problems in drawing with emphasis on the drawing as a complete work rather than a preliminary study.

403 Advanced Painting. (3) A. Prerequisites: ART 303, 304. Advanced problems in pictorial organization. May be retaken for a maximum of 6 hours.

426 Advanced Sculpture. (3-6) A. Prerequisite: 6 hours in ART 347. Sculptural interests defined and directed. Provides for preparation of a portfolio. May be retaken for a maximum of 9 hours.

430 Materials Inquiry in Art Education. (3) I. Prerequisite: Open to senior art students who plan to teach. Diversified inquiry into art materials and processes in the elementary and secondary schools.

437 Advanced Printmaking. (3, 9) A. Prerequisite: 6 hours of 300 level printmaking. The student is free to pursue a program of individual interest. Emphasis placed on creativity and professionalism.

439 Research in Metalwork. (3, 9) A. Prerequisites: ART 340, 342. The student pursues his own direction and sets his own problems with the approval of instructor.

449 Design IV. (3) A. Prerequisite: ART 351. Concentrated exploration in design with emphasis on area of specialization chosen by student. Includes proposal writing and/or presentation techniques.

450 Senior Portfolio. (3) A. Prerequisite: ART 449. Design, fabrications, and sample preparation of portfolio. Discussion of procedures, methods, philosophies, working environments of specific design situations, and identification of contacts for job placement.

455 Advanced Photography. (3) A. Prerequisite: ART 205. In-depth study of darkroom techniques and creative uses of camera.

459 Ceramics IV. (3) A. Prerequisite: ART 359. Kiln construction and firing techniques.

469 Ceramics V. (3, 9) A. Prerequisite: ART 459. Independent work, final project.

490 Medieval Art. (3) A. Prerequisite: ART 390 or approval of instructor. Development of art in Eastern and Western Europe from 313-1400 A.D.

491 Seventeenth and Eighteenth Century Art. (3) A. Prerequisites: ART 391 or approval of instructor. Architecture, sculpture, and painting in Europe and the Americas from 1600-1800.

499 Senior Exhibition. (1) A. Organization and presentation of an exhibition of the student's work.

503 Independent Work in Painting. (3) A. Prerequisite: ART 403. Emphasis is placed upon individual expression. May be retaken for a maximum of 9 hours.

540 Workshop in Art. (1 to 3) A. Intensive study in a specific phase of the visual arts. Current processes, materials, and theoretical foundations will be considered. May be retaken for a maximum of 9 hours.

562 Seminar in Art Criticism. (3) I, II. Prerequisites: ART 390, 391. Study of various topics and problems which relate to the student's understanding and critical awareness of the visual arts.

563 Problems in Art. (3) I, II. Prerequisite: all departmental courses in problem area identified. Limited to seniors and graduate students. Continuation of study begun in regular departmental courses. May be retaken for a maximum of 9 hours.

590 Italian Renaissance Art. (3) A. Prerequisite: ART 391 or approval of instructor. In-depth study of selected aspects of the painting, sculpture, and architecture of Italy between 1400 and 1600. The graduate student will be expected to prepare a scholarly paper.

GRADUATE COURSES

621* Drawing. (3) A.
622* Painting. (3) A.
627* Sculpture. (3) A.
629* Ceramics. (3) A.
630* Graphics. (3) A.

*Courses in the series, ART 621 through ART 630, share the prerequisite of "6 hours of work in the specialization named or consent of instructor." Students may register for no more than 9 hours of any specialization offered.

DEPARTMENT OF

English

Burkhart, R., Chair; Alexander, Allameh, Bedetti, Bennett, Blythe, Bright, Brock, H. Brown, Browning, Carey, Carson, Clewett, J. Culross, Dohmen, Flory, R. D. Freed, M. Grise, D. Hall, Harnack, Hart, O. Hill, Hussey, F. Johnson, Latta, Lee-Riffe, J. Long, Mangus, Mortland, W. Nelson, Parker, Patrick, B. Plummer, Ramaley, Rhodes, Schmidt, K. Smith, Sowders, D. G. Sutton, D. M. Sutton, W. Sutton, Sweet, Warner, Whitaker, I. White, E. Williams, Witt.

The Department of English offers instruction in literature, in writing, and in language study for the study who plans to make teaching a career, for the pre-professional student, and for the student who wants only to broaden his critical insight into the nature of language and of literature. The following programs are offered:

English

MAJOR, BACHELOR OF ARTS

Major Requirements ..... 30 hours
ENG 301; 302; three courses chosen from among 350, 351, 352, and 353; and a minimum of 15 additional upper level hours, at least 9 of which must be either in literature at the 400 or 500 levels or in upper level writing courses.
Supporting Course Requirements ..... 12 hours
12 hours (or equivalent) of a foreign language. In addition, the major is strongly advised to take courses in speech, in history, and in other allied disciplines.
General Education Requirements ..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... 31 hours
Total Curriculum Requirements ..... 128 hours

English (Teaching)

MAJOR, BACHELOR OF ARTS

Major Requirements ..... 33 hours
ENG 211 and 212; 301; 302; 350 or 351; 352 or 353; 410; 510 or 520; and at least 9 additional upper level hours, 3 of which must be in British literature and 3 of which must be in American literature. ENG 405 is strongly recommended as an elective for all teaching majors and minors.

Supporting Course Requirements ..... **15 hours**
SPE 100 or 300; and 12 hours (or equivalent) of a foreign language.
Professional Course Requirements ..... **31 hours**
EDF 102, 202, 317, EPY 318, ESE 443, 498, 499, 574.
General Education Requirements..... **49 hours**
Standard General Education program, excluding course categories 05 and 06. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requiremnts ..... **128 hours**

MAJOR IN ENGLISH (TEACHING AREA), BACHELOR OF ARTS

A student may take a teaching area in English by earning at least 51 hours, including ENG 101 and 102. In general, the student may follow the curriculum for a major, adding at least 15 hours selected in conference with the advisor.

MINOR IN ENGLISH
Requirements ..... **18 hours**
ENG 301, 302, and at least 12 additional upper level hours.

MINOR IN ENGLISH (TEACHING)
Requirements ..... **21 hours**
ENG 301; 302; 350 or 351; 352 or 353; 410; 510 or 520; and at least 3 additional upper level hours. ENG 405 is strongly recommended as an elective for all teaching majors and minors.
Supporting Course Requirements ..... **3 hours**
ESE 574.

GRADUATE PROGRAMS

The Master of Arts Degree in English is offered under a thesis or a non-thesis option. Under either option, work includes preparation for independent study leading toward the Ph.D. in English, for teaching on the college and pre-college levels, and for other professional purposes. Under either option a student must pass a language reading examination in one foreign language (normally French, German, or Latin) before the Master's degree will be granted; however, the student may instead elect, unless he has already met the requirement, the completion of 12 hours (or the equivalent) of study in at least one language, acceptable to the student's graduate advisory committee. Also, under either option, at least half the course work must be at the 600 level.

The Master of Arts in Education degree with an emphasis in English is offered in the College of Education with the cooperation of the Department of English.

For further information concerning graduate programs see the Graduate Catalog.

Course Descriptions

ENG—English

090 Basic Writing. (3) I, II. A course designed to teach students fundamental skills in sentence sense (grammar, usage, spelling, punctuation, diction) and in paragraph development in preparation for ENG 101. May be taken by referral only. The credit earned is institutional and cannot be used for graduation.

101 English Composition I. (3) I, II. Review of the mechanics of expression, word study, and use of dictionary; primary emphasis on composition; some practice in more effective oral communication and reading.

102 English Composition II. (3) I, II. Prerequisite: ENG 101 (or equivalent). Continued practice in composition; library paper; emphasis on reading and analysis.

105 English Composition Honors. (3) I. Open only to beginning freshman honors students who, upon completion with a "C" or better, will receive 3 additional hours of credit-by-examination for ENG 101. Review and application of rhetorical principles. Practice in types of expository and argumentative prose. Reading material may range from essays on contemporary issues to traditional masterworks.

200 Topics in English: _____. (1-3) A. Prerequisite: ENG 101 and 102 (or 105). Introduction to areas of literature, writing, and language use through selected topics. Designed primarily for non-English majors; may be retaken with different topics for a maximum of 6 hours.

211 Survey of World Literature I. (3) I, II. Prerequisite: ENG 101 and 102 (or 105). Selected readings from masterpieces of world literature from ancient times through the Renaissance.

212 Survey of World Literature II. (3), I, II. Prerequisite: ENG 101 and 102 (or 105). Selected readings from masterpieces of world literature from the 17th century to the present.

242 Introduction to a Genre: _____. (2) A. Formerly ENG 214, 215, or 216. Prerequisite: ENG 101 and 102 (or 105). Readings in either the novel, poetry, or short story; special emphasis on understanding and enjoying the literature. Designed primarily for non-English majors; may be retaken with different topics for a maximum of 6 hours.

244 Mystery and Detective Fiction. (2) A. Prerequisite: ENG 101 and 102 (or 105). History of mystery and detective fiction. Study of the genre's basic characteristics as well as its cultural ramifications.

245 Science Fiction. (2) A. Prerequisite: ENG 101 and 102 (or 105). A survey of science fiction from Mary Shelley to the present.

300 Technical/Professional Writing. (3) A. Prerequisite: ENG 101 and 102 (or 105). Advanced study and application of principles of effective technical writing in various forms; emphasis on reports. Special sections arranged in cooperation with professional programs.

301 Advanced Composition. (3) I, II. Prerequisite: ENG 101 and 102 (or 105). Refinement of writing skills; application of rhetoric in expository and argumentative writings; planning and writing a research paper.

302 Principles of Literary Study. (3), I, II. Prerequisite: ENG 101 and 102 (or 105). Introduction to the genres of poetry, short fiction, and drama, as well as to the traditional literary devices, the major critical approaches, and several bibliographical tools.

306 Introduction to Creative Writing. (3) A. Prerequisite: ENG 101 and 102 (or 105). Introduction to fundamentals of short story, poetry, play, or personal essay writing.

308 Autobiographical Writing and Research. (3) A. Prerequisite: ENG 101 and 102 (or 105). Discussion of full-length American, British, Continental, and non-Western autobiographies and modern theories of autobiographical writing; practice of autobiographical writing and research.

334 Modern Poetry. (3) A. Formerly ENG 323. Prerequisite: ENG 101 and 102 (or 105). Survey of representative British and American poets from Hopkins and Dickinson to the present.

335 Modern Drama. (3) A. Formerly ENG 312. Prerequisite: ENG 101 and 102 (or 105). Study of representative Continental, British, and American plays from Ibsen to the present.

337. Biblical Narrative and Verse. (3) A. Formerly ENG 425. Prerequisite: ENG 101 and 102 (or 105). Study of selected narratives and verse from the Old Testament, Apocrypha, and New Testament from distinctly literary perspectives.

340 Classical Mythology. (3) A. Prerequisite: ENG 101 and 102 (or 105). Study in translation of Greek and Roman myths through historical, psychological, and literary approaches.

345 Literature and Film. (3) A. Formerly ENG 450. Cross listed as COM 345. Prerequisite: ENG 101 and 102 (or 105). An examination of the relationship between film and literature through a comparative study of the stylistic and technical elements of the two media.

349 Cooperative Study: English. (1-8) A. Prerequisite: Departmental approval. Work in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 8, associate; 16, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 American Literature I. (3) I. Prerequisite: ENG 101 and 102 (or 105). Survey of American literature from the beginnings to Whitman; emphasis on Cooper, Bryant, Emerson, Poe, Hawthorne, Melville, and Thoreau.

351 American Literature II. (3) II. Prerequisite: ENG 101 and 102 (or 105). Survey of American literature from Whitman to the present; emphasis on Whitman, Dickinson, Twain, James, Faulkner, Frost, and Eliot.

352 English Literature I. (3) I. Prerequisite: ENG 101 and 102 (or 105). English literature from Beowulf through the 18th century; special emphasis on Chaucer, Spenser, Shakespeare, Donne, Milton, Dryden, Pope, Swift, and Johnson.

353 English Literature II. (3) II. Prerequisite: ENG 101 and 102 (or 105). English literature from the Romantics to the present; emphasis on Wordsworth, Keats, Tennyson, Browning, Arnold, Hardy, Yeats, and Joyce.

ENG—English

355 Twentieth-Century American Fiction. (3) A. Formerly ENG 327. Prerequisite: ENG 101 and 102 (or 105). Survey of representative American novels and short stories of the 20th century.

359 Kentucky Literature (3) A. Formerly ENG 319. Prerequisite: ENG 101 and 102 (or 105). Study of Kentucky's literary tradition from its beginning to the present; emphasis on Elizabeth Madox Roberts, Allen Tate, Harriette Arnow, and Robert Penn Warren.

375 Twentieth-Century British Fiction. (3) A. Formerly ENG 317. Prerequisite: ENG 101 and 102 (or 105). Survey of representative British novels and short stories of the 20th century.

405 Survey of Theories of Composition. (3) A. Prerequisite: ENG 101 and 102 (or 105) and ENG 301. An introductory course surveying theories of composition and applying these theories to instruction of composition.

410 Grammar: Traditional and Modern. (3) A. Formerly ENG 431. Prerequisite: ENG 101 and 102 (or 105) and ENG 301. A thorough study of the grammatical structure of American English and of the present-day terminology used to describe that structure, together with an analysis of the linguistic and grammatical theories underlying contemporary grammar texts.

452 American Romanticism. (3) A. Prerequisite: ENG 101 and 102 (or 105) and ENG 302. A study of the 19th century Romantic movement, concentrating on selected major authors through Whitman.

454 American Realism. (3) A. Prerequisite: ENG 101 and 102 (or 105) and ENG 302. A study of the American Realistic movement from the late nineteenth century through the 20th century, concentrating upon selected major authors from Twain to the present.

470 Chaucer and His Age. (3) A. Formerly ENG 524. Prerequisite: ENG 101 and 102 (or 105) and ENG 302. A study of selections from Chaucer, the *Pearl* poet, Langland, Malory, medieval drama, and lyrics.

472 Renaissance Literature. (3) A. Formerly ENG 521. Prerequisite: ENG 101 and 102 (or 105) and ENG 302. A study of Tudor poetry and prose and Elizabethan and early Stuart drama, exclusive of Shakespeare.

474. Shakespeare. (3) A. Formerly ENG 411. Prerequisite: ENG 101 and 102 (or 105) and ENG 302. Study of Elizabethan England as a background for Shakespeare's works; extensive reading of several plays; intensive reading of selected drama and poetry.

476 Milton and His Age. (3). A. Formerly ENG 522, 523. Prerequisite: ENG 101 and 102 (or 105) and ENG 302. A study of Milton's works, the Cavalier and metaphysical poetry, the masque, and the prose of the period.

478 Literature of the Restoration and Eighteenth Century. (3) A. Formerly ENG 525, 526. Prerequisite: ENG 101 and 102 (or 105) and ENG 302. British poetry, prose and drama of the Restoration and 18th century with emphasis on Dryden, Swift, Pope, and Johnson.

480. Romantic Literature (3) A. Formerly ENG 321. Prerequisite: ENG 101 and 102 (or 105) and ENG 302. Survey of British poetry, essays, and fiction of the Romantic period.

482 Victorian Literature. (3) A. Formerly ENG 422. Prerequisite: ENG 101 and 102 (or 105) and ENG 302. Survey of British poetry, essays, and fiction of the Victorian period.

495 Independent Study. (3) A. Prerequisite: approval of department. Individual study and/or research on a problem pertaining to literature or language.

500 Advanced Professional Writing: _____. (3) A. Prerequisite: ENG 101 and 102 (or 105) and either 2 additional courses in English or approval of instructor. Advanced study and practice in topics such as editing, technical writing, expository writing, or writing for the popular media. May be retaken with different topics for a maximum of 9 hours.

502 Advanced Creative Writing. (3) A. Prerequisite: ENG 101 and 102 (or 105) and approval of instructor. Open to students who desire to have their manuscripts criticized; fiction, drama, poetry, biography, or the informal essay accepted; guest lectures and discussion with writers in residence.

503 Creative Writing Workshop. (1-3) A. Prerequisite: ENG 101 and 102 (or 105) and approval of instructor. A one-week course of 15 informal lectures and discussions by faculty and visiting lecturers. Each student registering for the writer's conference must submit a short story, a one-act play, four poems, or the equivalent.

510 Introduction to Linguistic Theory. (3) A. Formerly ENG 539. Prerequisite: ENG 101 and 102 (or 105) and 2 additional courses in English. An introduction to current linguistic theory and practice.

515 English as a Second Language. (3) A. Prerequisite: ENG 101 and 102 (or 105) and 2 additional courses in English. Study of theory related to techniques used in generating effective use of English as a second language.

520 History of English Language. (3) A. Formerly ENG 541. Prerequisite: ENG 101 and 102 (or 105) and 2 additional courses in English. Study of the history of the English language in terms of social, historical, and linguistic forces from which it developed into modern English.

530 Studies in a Genre: _____. (3) A. Prerequisite: ENG 101 and 102 (or 105) and 2 courses in literature. Study of a designated literary genre, such as Renaissance drama, the rise of the novel, or narrative poetry. May be retaken with different topics for a maximum of 6 hours.

531 Genre in Translation: _____. (3) A. Formerly ENG 560, 565, 660. Prerequisite: ENG 101 and 102 (or 105) and two courses in literature. Study of a designated literary genre primarily in translation, such as the epic, classical drama, or Continental fiction. May be retaken with different topics for a maximum of 6 hours.

535 Women Writers. (3) A. Prerequisite: ENG 101 and 102 (or 105) and two courses in literature. Study of literature by women writers.

540 Study of Popular Writings. (3) A. Prerequisite: ENG 101 and 102 (or 105) and 2 courses in literature. Exploration of the humanistic and cultural values expressed in popular formats through a survey of such writings as best sellers, the new journalism, detective fiction, science fiction, newspapers, and TV scripts.

545 Topics in Literature Relationships: _____. (3) A. Prerequisite: ENG 101 and 102 (or 105) and 2 courses in literature. An intensive study of literature as it relates to other disciplines. May be retaken with different topics for a maximum of 6 hours.

550 Topics in American Literature: _____. (3) A. Prerequisite: ENG 101 and 102 (or 105) and 2 courses in literature. An intensive study of a particular literary movement, a theme common to American literature, or contemporary directions/experiments in American literature. May be retaken with different topics for a maximum of 6 hours.

570 Topics in British Literature: _____. (3) A. Prerequisite: ENG 101 and 102 (or 105), and 2 courses in literature. An intensive study of a particular literary movement, a theme common to British literature, or contemporary directions/experiments in British literature. May be retaken with different topics for a maximum of 6 hours.

GRADUATE COURSES

600 Problems in Writing. (3) I.
607 Advanced Study of Language: Theory and Application. (3) A.
608 Modern Theories of Composition. (3) A.
609 Seminar in Writing and Research. (3) A.
610 Seminar in Linguistics. (3) A.
625 Old English. (3) A.
633 Literary Criticism. (3) A.
650 Seminar in Early American Literature. (3) A.
653 Seminar in Nineteenth-Century American Literature. (3) A.
654 Seminar in Twentieth-Century American Literature. (3) A.
670 Seminar in Medieval Literature. (3) A.
673 Seminar in Renaissance Literature. (3) A.
674 Seminar in Shakespeare. (3) A.
676 Seminar in Restoration and Eighteenth-Century Literature. (3) A.
678 Seminar in Nineteenth-Century British Literature. (3) A.
680 Seminar in Twentieth-Century British Literature. (3) A.
690 Special Studies. (1-3) A.
698 Thesis I. (3) A.
699. Thesis II. (3) A.

DEPARTMENT OF
FOREIGN LANGUAGES

Langenbruch, T., Chair; Bettler, Boyd, S. Burkhart, Carter, Cross, Harnack, K. Hill, R. King, MacKinnon, C. Nelson, M. Scorsone, K. Smith, Wowk.

The Department of Foreign Languages offers courses in French, German, Greek, Italian, Latin, Portuguese, Russian, and Spanish. A student may take a teaching major or minor in French, German, and Spanish. Students may also take non-teaching majors or minors in French, German, Russian, and Spanish.

In addition to these language programs, a student may also major or minor in Ibero-American Studies (non-teaching), an interdisciplinary program offered in cooperation with the Departments of Anthropology, Economics, Geography, History, and Political Science.

The Department of Foreign Languages also offers two graduate programs leading to the Master of Arts degree in French and Spanish. Detailed information can be found in the Graduate Catalog.

The Master of Arts in Education degree with an option in French or Spanish is offered in the College of Education with the cooperation of the Department of Foreign Languages. The regulations for the degree may be found in the Graduate Catalog.

French

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **30 hours**
A student may major in French by completing a minimum of 30 semester hours in French courses numbered 200 and above. The following courses are required; FRE 303, 340, 360; 3 hours selected from FRE 313, 314, 315, 316, 400, 570; 3 hours selected from FRE 435, 440, 505, 535, 540; and 6 hours upper division electives.
Supporting Course Requirements ..... **0 hours**
The major is strongly advised to take 6 hours in a second foreign language. In addition, the student is strongly advised to take 3 hours each in upper division English courses in grammar and literature.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **43 hours**
Total Curriculum Requirements ..... **128 hours**

French (Teaching)

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **30 hours**
A student may major in French by completing a minimum of 30 semester hours in French courses numbered 200 and above. The following courses are required: FRE 303, 340, 360; 3 hours selected from FRE 313, 314, 315, 316, 400, 570; 3 hours selected from FRE 435, 440, 505, 535, 540; and 6 hours upper division electives. (A 21-hour teaching minor is also required; see degree requirements of the College of Arts and Humanities in this Catalog.)
Supporting Course Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 444, 498, 499.
Majors are strongly advised to take 3 hours each in upper division English courses in grammar and literature. If English is the student's teaching minor, 6 hours in a second foreign language are strongly advised instead.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **15 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN FRENCH

A student may minor in French by completing a minimum of 18 semester hours in French courses numbered 200 and above. The following courses are required: FRE 303, 340, 360.

MINOR IN FRENCH (TEACHING)

A student may minor in French by completing a minimum of 21 semester hours in French, 18 of which must be in courses numbered 200 and above. The following courses are required: FRE 303, 340, 360. State certification requirements of 21 hours may include FRE 101, 102, or 201.

German

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **30 hours**
A student may major in German by completing a minimum of 30 semester hours in German courses numbered 200 and above. The following are required: six hours from GER 206, 340, 540; 301 or 302; 360 or 505; FCC 221, 222.
Supporting Course Requirements ..... **0 hours**
The major is strongly advised to take 6 hours in another foreign language.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **43 hours**
Total Curriculum Requirements ..... **128 hours**

German (Teaching)

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **30 hours**
A student may major in German (teaching) by completing 30 hours of German, at least 27 hours of which must be in courses numbered 200 and above. The following are required: 6 hours from GER 206, 340, 540; 301 or 302; 360 or 505; FCC 221, 222. State certification requirement of 30 hours may include GER 101 and 102. (A 21-hour teaching minor is also required; see degree requirements of the College of Arts and Humanities in this Catalog.)
Supporting Course Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 445, 498, 499. The major is strongly advised to take 6 hours in another foreign language.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **15 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN GERMAN

A student may minor in German (non-teaching) by completing a minimum of 18 semester hours in German courses numbered 200 and above. The following are required: 3 hours from GER 206, 340, 540; 301 or 302; 360 or 505; FCC 221, 222.

MINOR IN GERMAN (TEACHING)

A student may minor in German (teaching) by completing a minimum of 21 semester hours in German, 18 of which must be in courses numbered 200 and above. The following are required: 3 hours from GER 206, 340, 540; 301 or 302; 360 or 505; FCC 221, 222. State requirements of 21 hours may include GER 101 or 102.

Ibero-American Studies

COMPREHENSIVE AREA MAJOR, BACHELOR OF ARTS
Prerequisite: 12 hours Spanish or equivalent.

Major Requirements ..... **33 hours**
A student may major in Ibero-American Studies (non-teaching) by completing a total of 33 semester hours as follows: POR 501 and 502; 6 hours Spanish or Portuguese language, literature or culture courses (FCC 225, 226) above the 202 level; HIS 383 and 585; 3 hours from GEO 220, 300, 340, 345, 347, 422, 498 (if content is Ibero-American), 500, 546, or other

geography courses approved by advisor, Department of Foreign Languages, and Department of Geography; 12 hours electives in Ibero-American content courses of interdisciplinary nature with the unifying theme of Ibero-American Studies. Courses will be elected in consultation with advisor and approved by the Department of Foreign Languages and the department offering the course in question. At least 2 different academic disciplines must be represented.

Supporting Course Requirements ..... **0 hours**
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives..... **24-40 hours**
Total Curriculum Requirements ..... **128 hours**

COMPREHENSIVE AREA MINOR IN IBERO-AMERICAN STUDIES

Prerequisite: 12 hours SPA or equivalent
Minor Requirements..... **18 hours**
A student may minor in Ibero-American Studies (non-teaching) by completing a total of 18 semester hours as follows: POR 501 and 502; 3 hours from FCC 225, 226, HIS 383, 585; 9 hours electives in Ibero-American content courses of interdisciplinary nature with the unifying theme of Ibero-American Studies. Courses will be elected in consultation with advisor and approved by the Department of Foreign Languages and the department offering the course in question. At least 2 different academic disciplines must be represented.

Russian

MAJOR, BACHELOR OF ARTS

Major Requirements..... **30 hours**
A student may major in Russian by completing a minimum of 30 hours in courses numbered 200 and above. The following courses are required: RUS 201, 202, 206, 305, 306, 401, 402, 403, FCC 224.
Supporting Course Requirements ..... **0 hours**
The major is strongly advised to take 6 hours in a second foreign language.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **43 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN RUSSIAN

A student may minor in Russian by completing 18 hours in Russian courses numbered 200 and above.

Spanish

MAJOR, BACHELOR OF ARTS

Major Requirements..... **30 hours**
A student who majors in Spanish (non-teaching) will take a minimum of 30 semester hours in courses numbered 200 and above.
Supporting Course Requirements ..... **0 hours**
The major is strongly advised to take 6 hours in a second foreign language.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this catalog for details on the General Education and University requirements.
Free Electives ..... **43 hours**
Total Curriculum Requirements ..... **128 hours**

Spanish (Teaching)

MAJOR, BACHELOR OF ARTS

Major Requirements..... **30 hours**
A student may major in Spanish by completing a minimum of 30 hours with at least 27 semester hours in courses numbered 200 and above. The following courses are required: SPA 206; 301; 3 hours from 305, 306, 307; 360 or 505. (A 21-hour teaching minor is also required; see degree requirements of the College of Arts and Humanities in this Catalog.)
Supporting Course Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 447, 498, 499.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **15 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN SPANISH

A student may minor in Spanish by completing a minimum of 18 semester hours in courses numbered 200 and above.

MINOR IN SPANISH (TEACHING)

A student may minor in Spanish by completing a minimum of 21 semester hours in Spanish, 18 of which must be in courses numbered 200 and above. The following courses are required: SPA 206; 301; 3 hours from 305, 306, 307; 360 or 505. State certification requirements of 21 hours may include SPA 101 or SPA 102.

Course Descriptions

FCC—Foreign Culture and Civilization

220 French Culture and Civilization. (3) A. Formerly FRE 220. Introduction to the unique values and traditions of the French nation and of French-speaking peoples as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English.

221. German Culture and Civilization I. (3) A. Formerly GER 220. Introduction to the unique values and traditions of the German peoples as reflected in their aesthetic, intellectual, and other cultural achievements. From beginnings to 1800. Taught in English.

222 German Culture and Civilization II. (3) A. Formerly GER 221. Introduction to the unique values and traditions of the German peoples as reflected in their aesthetic, intellectual, and other cultural achievements. 1800 to present. Taught in English.

224 Russian Culture and Civilization. (3) A. Formerly RUS 220. Introduction to the unique values and traditions of the Russian people as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English.

225 Spanish Culture and Civilization. (3) A. Formerly SPA 220. Introduction to the unique values and traditions of the Spanish nation as reflected in its aesthetic, intellectual, and other cultural achievements. Taught in English.

226 Spanish-American Culture and Civilization. (3) A. Formerly SPA 221. Introduction to the unique values and traditions of the Spanish-American nations as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English.

FLS—Foreign Language Studies

300 Elements of Foreign Language.:_____. (3) A. Prerequisite: approval of Department of Foreign Languages and the student's major department. Introduces basic linguistic structures of major European languages, including pronunciation and intonation patterns; sharpens awareness of linguistic differences.

FRE—French

100 French for Graduate Reading Knowledge. (3) A. Prerequisite: none. Accelerated study of reading skills for those students needing a reading knowledge of French. Cannot be used for major, minor, or general education credit.

FRE—French

101 Elementary French I. (3) I, II. Basic French conversation and grammar. Practice in speaking, comprehension, reading, and writing. Laboratory attendance required.

102 Elementary French II. (3) I, II. Prerequisite: FRE 101 or equivalent proficiency. Continuation of FRE 101. Laboratory attendance required.

201 Elementary French III. (3) I, II. Prerequisite: FRE 102 or equivalent proficiency. Continuation of FRE 102. Laboratory attendance required.

202 French Reading I. (3) A. Prerequisite: FRE 201 or equivalent proficiency. Emphasis on reading for comprehension and building vocabulary. Practice in oral discussions, grammar, and writing.

204 Review of French Grammar. (3) I, II. Review of basic French grammar for students with two or more years of high school French or FRE 101, 102, and 201, or the equivalent.

212 Intermediate French Reading. (3) A. Prerequisite: FRE 202 or equivalent proficiency. Reading and comprehension of literary texts. Emphasis on building skills necessary for literature courses. Oral and written discussion of literary topics.

240 Spoken French. (3) A. Formerly FRE 206. Prerequisite: FRE 202 or 204 or equivalent proficiency. Intensive study of the elementary patterns of spoken French. Drill in pronunciation and comprehension. Laboratory attendance required.

303 Introduction to French Literature. (3) A. Prerequisite: FRE 212 or equivalent proficiency. Selected readings from masterpieces of French literature with an introduction to the techniques of French literary analysis.

313 Masterpieces of the French Novel. (3) A. Prerequisite: FRE 212 or equivalent proficiency. A selection of the best French novels from all periods of French literary history, read in their entirety.

314 Classical French Theater. (3) A. Prerequisite: FRE 212 or equivalent proficiency. A study of 17th century theater with representative works of Corneille, Molière, and Racine.

315 French Lyric Poetry. (3) A. Prerequisite: FRE 212 or equivalent proficiency. Survey of French lyric poetry, with emphasis on the 16th and 19th centuries.

316 Contemporary French Literature. (3) A. Prerequisite: FRE 212 or equivalent proficiency. Representative works of the major French writers of the 20th century.

340 Intermediate Spoken French. (3) A. Prerequisite: FRE 240 or equivalent proficiency. Intensive practice in conversational French, with emphasis on pronunciation, aural comprehension, and vocabulary building.

360 Intermediate Grammar and Composition. (3) A. Prerequisite: 204 or equivalent proficiency. Intensive grammar study and introduction to composition.

400 French Literary Movements: _____. (3) A. Prerequisite: FRE 303 or equivalent proficiency; approval of departmental chair. A *selected topic* from the major French literary movements. May be retaken for maximum of 6 hours credit, provided content is different.

435 French Stylistics. (3) A. Prerequisite: FRE 360 or equivalent proficiency. Develops flexibility and variety in modes of expression, from informal to literary styles. Emphasis on vocabulary enrichment and mastery of French syntax.

440 French for Careers. (3) A. Prerequisite: FRE 340 or 360 or equivalent proficiency. Develops oral and written skills with emphasis on language of business, industry, and the professions.

495 Independent Work in French. (1-3) I, II. Prerequisite: approval of Department. May be counted toward major or minor only with permission of department chair. May be retaken for maximum of 6 hours provided that subject matter is different.

505 Advanced Grammar and Composition. (3) A. Prerequisite: FRE 360 or equivalent proficiency.

535 Introduction to French Linguistics. (3) A. Prerequisite: FRE 340 or equivalent proficiency. Applied linguistics, with emphasis on the phonetics, morphology, and syntax of French.

540 Advanced French Conversation. (3) A. Prerequisite: FRE 340 or equivalent proficiency. Not open to native speakers.

550 History of the French Language. (3) A. Prerequisite: approval of department. Survey of the evolution of the French language from its origins to the present day. Readings in Old French.

570 Medieval and Renaissance Literature. (3) A. Prerequisite: FRE 303 or other literature course. Survey of the major works of the Middle Ages (in modern French) and of the Renaissance.

GRADUATE COURSES

620 Seminar in 17th Century French Literature (3) A.
630 Seminar in 19th Century French Literature (3) A.
635 Seminar in 18th Century French Literature (3) A.
640 Seminar in 20th Century French Literature (3) A.
680 Special Studies. (1-3) A.

GER—German

100 German for Graduate Reading Knowledge. (3) A. Prerequisite: none. Accelerated study of reading skills for those students needing a reading knowledge of German. Cannot be used for major, minor, or general education credit.

101 Elementary German I. (3) I, II. Introduction to the grammar and structure of German. Practice in pronunciation, reading, writing, and conversation. Laboratory attendance required.

102 Elementary German II. (3) I, II. Prerequisite: GER 101 or equivalent proficiency. Continuation of GER 101 using more advanced materials.

201 Intermediate German I. (3) I, II. Prerequisite: GER 102 or equivalent proficiency. Practice in grammar, reading, and writing at the intermediate level.

202 Intermediate German II. (3) I, II. Prerequisite: GER 201 or equivalent proficiency. Continuation of GER 201.

203 Scientific German. (3) A. Prerequisite: GER 201 or equivalent proficiency. Alternate course for GER 202. Certain selected scientific texts are read with emphasis on translation and grammar. Recommended for science majors.

204 Review of German Grammar. (3) A. Review of basic German grammar for students with two or more years of high school German or the equivalent.

206 Beginning Conversation. (3) A. Prerequisite: GER 201 or equivalent proficiency. Topics for conversation drawn from everyday situations. (Waived in case of demonstrable oral proficiency, but not open to native speakers.)

301. Masterpieces of German Literature in Translation I (to 1850). (3) A. Poetry, prose, and drama selections designed to introduce the student to major literary figures. Among authors included are Martin Luther, Lessing, Goethe, Schiller, and Heine. Special conditions for German language majors and minors.

302 Masterpieces of German Literature in Translation II (1850 to the present). (3) A. Continuation of GER 301. Among authors included are Hauptmann, Hofmannsthal, Thomas Mann, Brecht, and Hesse. Special conditions for German language majors and minors.

340 Intermediate Conversation. (3) A. Prerequisite: GER 206 or equivalent proficiency. Topics for conversation drawn from contemporary German life.

360 Intermediate Grammar and Composition. (3) A. Prerequisite: GER 202 or equivalent proficiency. Detailed grammar review and introduction to composition.

495 Independent Work in German. (1-3) I, II. Prerequisite: approval of department. May be counted toward major or minor only with permission of departmental chair. May be retaken for maximum of 6 hours provided that subject matter is different.

505 Advanced Grammar and Composition. (3) A. Prerequisite: GER 360 or equivalent proficiency. Topics for composition drawn from literary materials.

540 Advanced Conversation. (3) A. Prerequisite: GER 340 or equivalent proficiency. Topics for conversation drawn from literary sources.

GRE—Greek

101 Elementary Greek I. (3) A. Introduction to the grammar of classical Greek and the Koine Greek of the New Testament and to the reading of elementary texts. Recommended for students majoring in languages, ancient history, and Bible.

102 Elementary Greek II. (3) A. Continuation of GRE 101 with more advanced work in grammar and syntax and the reading of Xenophon's Anabasis.

201 Readings in the Greek New Testament (Gospels). (3) A. Prerequisite: GRE 102 or equivalent proficiency. Selected readings from the four Gospels in the Greek New Testament.

202 Readings in the Greek New Testament (Epistles). (3) A. Prerqusite: GRE 102 or equivalent proficiency. Selected readings from the Pauline, Johannine, and Petrine epistles in the Greek New Testament.

ITA—Italian

101 Elementary Italian I. (3) A. Basic Italian pronunciation, conversation, and grammar. Materials used in speaking, reading, and writing reflect historical relevance and contemporary experience. Laboratory attendance required.

ITA—Italian

102 Elementary Italian II. (3) A. Prerequisite: ITA 101 or equivalent. Continuation of ITA 101.

201 Elementary Italian III. (3) A. Prerequisite: ITA 102 or equivalent proficienty. Continuation of ITA 102. Basic Italian conversation and grammar.Practice in speaking, reading, and writing. Laboratory attendance required.

202 Intermediate Italian. (3) A. Prerequisite: ITA 201 or equivalent proficiency. Continuation of ITA 201. Basic Italian readings, conversation, and review of grammar.

LAT—Latin

101 Elementary Latin I. (3) I. Study of basic inflexions, syntax, pronunciation, and vocabulary necessary for the reading and progressive understanding of the Latin language. Particular attention is given to the relationship of Latin to English and other languages.

102 Elementary Latin II. (3) I. Prerequisite: 1 unit of high school Latin or LAT 101. A continuation of the study of the elements of Latin grammar with additional work in translation of selections from Latin writers of appropriate complexity. Some composition included.

201 Intermediate Latin I. (3) A. Prerequisite: 2 or 3 units of high school Latin or LAT 102. Rapid review of grammar. Selections from such writers as Caesar, Cicero, Nepos, Ovid, Catullus, Horace and Vergil.

202 Intermediate Latin II. (3) A. Prerequisite: 2 or 3 units of high school Latin or the equivalent. Continuation of LAT 201.

POR—Portuguese

501 Accelerated Elementary Portuguese I. (3) A. Prerequisite: upper division standing and 202 level or equivalent of another foreign language. Fundamentals of the Portuguese language.

502 Accelerated Elementary Portuguese II. (3) A. Prerequisite: POR 501 or equivalent proficiency in Portuguese. Composition, conversation, and reading in Luso-Brazilian studies.

595 Independent Work in Portuguese. (1-3) A. Prerequisite: POR 501 or equivalent and approval of department. Independent study in either language or literature on a subject of special need or interest to the advanced student. May be retaken for a maximum of 6 hours provided the subject matter is different.

GRADUATE COURSE

680 Special Studies. (3) A.

RUS—Russian

101 Elementary Russian I. (3) I, II. An introduction to the structure and grammar of Russian with an emphasis on pronunciation and conversation.

102 Elementary Russian II. (3) I, II. Prerequisite: RUS 101 or equivalent proficiency. Continuation of RUS 101.

201 Intermediate Russian I. (3) I, II. Prerequisite: RUS 102 or equivalent proficiency. Continuation of RUS 102.

202 Intermediate Russian II. (3) I, II. Prerequisite: RUS 201 or equivalent proficiency. Grammar and structure review through a balanced use of the 4 basic skills: reading, speaking, writing, and aural comprehension.

206 Beginning Conversation. (3) A. Prerequisite: RUS 202 or equivalent proficiency. Required of all majors and minors. (Waived in case of demonstrable oral proficiency, not open to native speakers.)

305 Composition and Conversation. (3) I, II. Prerequisite: RUS 202 or equivalent proficiency. Review of grammar. Conversations and composition on topics drawn from everyday life.

306 Composition and Translation. (3) I, II. Prerequisite: RUS 305 or equivalent proficiency. Reading and discussion of contemporary Russian prose selections. Composition and grammar review.

401 19th Century Russian Literature in Translation I. (3) A. Major literary movements and authors with emphasis on Pushkin, Gogol, Lermontov, Goncharov, and Turgenev. Special conditions for Russian language majors and minors. Conducted in English.

402 19th Century Russian Literature in Translation II. (3) A. Major literary movements and authors such as Dostoevsky, Tolstoy, Aksakov, Leskov, Chekhov, Bunin, Andreev, and Blok. Special conditions for Russian majors and minors. Conducted in English.

403 20th Century Russian Literature in Translation. (3) A. Major literary movements and authors with emphasis on Gorky, Mayakovsky, Sholokhov, Fadeev, Fedin, Bulgakov, Olesha, Pasternak, Solzhenitsyn, and others. Conducted in English. Special conditions for Russian language majors and minors.

495 Independent Work in Russian. (1-3) I, II. Prerequisite: approval of department. May be counted toward major or minor only with permission of departmental chair. May be retaken for maximum of 6 hours provided that subject matter is different.

SPA—Spanish

101 Elementary Spanish I. (3) I, II. Introduction to the grammar and structure of Spanish. Emphasis on development of student's ability to translate into English. Practice in pronunciation, reading, writing, and conversation using materials relevant to contemporary experiences. Laboratory attendance required.

102 Elementary Spanish II. (3) I, II. Prerequisite: SPA 101 or equivalent proficiency. Continuation of SPA 101 using more advanced materials.

201 Intermediate Spanish I. (3) I, II. Prerequisite: SPA 102 or equivalent proficiency. Grammar review. Emphasis on the translation and discussion of literary and other cultural offerings.

202 Intermediate Spanish II. (3) I, II. Prerequisite: SPA 201 or equivalent proficiency. Continuation of SPA 201.

206 Beginning Conversation. (3) I, II. Prerequisite: SPA 202 or equivalent proficiency. Required for all majors and minors. (Waived in case of demonstrable oral proficiency, but not open to native speakers.)

215 Applied Communication Skills in Spanish. (3) A. A basic course to provide the student with essential communication skills needed in dealing with Spanish-speaking communities. No previous knowledge of Spanish required.

301 Introduction to Hispanic Literature. (3) A. Prerequisite: SPA 202 or equivalent proficiency. Study of literary concepts, terms, style and techniques of analysis based on readings of literary selections from a variety of genres and periods.

305 Survey of Hispanic Literature I. (3) A. Prerequisite: SPA 301 or equivalent. Readings and analyses of representative authors, works and movements from both Spain and Spanish America from the Middle Ages to 1700.

306 Survey of Hispanic Literature II. (3) A. Prerequisite: SPA 301 or equivalent. Readings and analyses of representative authors, works and movements from both Spain and Spanish America in the 18th and 19th centuries.

307 Survey of Hispanic Literature III. (3) A. Prerequisite: SPA 301 or equivalent. Readings and analyses of representative authors, works and movements from both Spain and Spanish America including the Generation of 1898, Modernism, and the 20th century.

360 Intermediate Grammar and Composition. (3) A. Prerequisite: SPA 202 or equivalent proficiency. Writing course designed to teach the composition of themes, essays, and letters in the Spanish language.

495 Independent Work in Spanish. (1-3) I, II. Prerequisite: approval of department. May be counted toward major or minor only with permission of departmental chair. May be retaken for maximum of 6 hours provided that subject matter is different.

496 Travel-Study Program In Mexico. (3). A. Prerequisite: approval of department. May be retaken for a total of 6 hours.

505 Advanced Composition. (3) A. Prerequisite: senior or graduate status.

507 Spanish Drama. (3) A. Prerequisite: SPA 301 and 3 hours from 305, 306, 307, or the equivalent. Intensive study of Spanish drama from the Middle Ages through the 17th century.

508 Spanish Drama. (3) A. Prerequisite: SPA 301 and 3 hours from 305, 306, 307, or the equivalent. Intensive study of Spanish drama of the 18th, 19th, and 20th centuries.

509 Spanish Prose. (3) A. Prerequisite: SPA 301 and 3 hours from 305, 306, 307, or the equivalent. Intensive study of Spanish prose from the Middle Ages through the 18th century.

510 Spanish Prose. (3) A. Prerequisite: SPA 301 and 3 hours from 305, 306, 307, or the equivalent. Intensive study of Spanish prose of the 19th and 20th centuries.

511 Spanish Poetry. (3) A. Prerequisite: SPA 301 and 3 hours from 305, 306, 307, or the equivalent. Intensive study of Spanish poetry from its beginnings through the 17th century.

512 Spanish Poetry. (3) A. Prerequisite: SPA 301 and 3 hours from 305, 306, 307, or the equivalent. Intensive study of Spanish poetry of the 18th, 19th, and 20th centuries.

535 Linguistics. (3) A. Prerequisite: SPA 301 and 3 hours from 305, 306, 307, or the equivalent. Introduction to linguistics for the Spanish major.

540 Advanced Spanish Conversation. (3) A. Prerequisite: SPA 206 or equivalent (not open to native speakers.)

570 Topics in Spanish Literature. (3) A. Prerequisite: approval of

SPA—Spanish

department. Special topics in Spanish literature. May be retaken for a total of 6 hours provided the subject matter is different.

571 Topics in Latin American Literature. (3) A. Prerequisite: approval of department. Special topics in Latin American literature. May be retaken for a total of 6 hours provided the subject matter is different.

GRADUATE COURSES

610 Bibliography and Research Methods. (3) A.
620 Medieval Spanish Literature. (3) A.
625 Golden Age Prose. (3) A.
630 Golden Age Drama. (3) A.
635 19th Century Prose. (3) A.
640 Generation of 1898 and Modernism. (3) A.
645 Contemporary Spanish Literature. (3) A.
650 History of the Spanish Language. (3) A.
670 Seminar in Spanish Literature. (3) A.
671 Seminar in Latin American Literature. (3) A.
680 Special Studies. (1-3) A.
681 Travel-Study Program in Mexico. (3) A.
698 Thesis I. (3) A.
699 Thesis II. (3) A.

DEPARTMENT OF

HUMANITIES

Brooks, A. Chair; Dickson, Holland, Shearon, Shin.

The Department of Humanities offers interdisciplinary courses designed (1) to lead students to a better understanding of what it means to be a human being; (2) to develop within students an appreciation for the significant creative achievements of mankind around the world; and (3) to provide students with a viable foundation for clarifying and developing personal moral, ethical, and aesthetic values that will help them to live meaningfully, responsibly, and productively in the modern world.

The Department of Humanities offers a minor in Humanities which is designed to integrate insights into the subjective human experience gained from a study of significant works of literature, visual art, music, religion, and philosophy. The minor in Humanities is a meaningful complementary curriculum for any specialized major field of study. In providing a broad knowledge base for an understanding of human values, it gives students an opportunity to clarify attitudes and qualities of mind that enhance their capacity for experiencing meaning in all aspects of their lives.

MINOR IN HUMANITIES

A student may minor in Humanities by completing 18 to 24 hours as follows: GSH 124; 226 or 228; PHI 100; MUS 272; ART 390 or 391; 6 hours from the following: ENG 350, 351, 352, 353, 474, SPE 340, or any of the upper division foreign language literature courses; HUM 410. Students who elect PHI 100 to meet Symbolics of Information requirements must take PHI 220. When the major and the minor require the same courses, a maximum of 6 hours may be waived from the minor upon the recommendation of the Chair of the Department of Humanities.

Course Descriptions

GSH—Humanities

124 Introduction to Humanities. (3) I, II. This course introduces students to a consideration of what it means to be human. An interdisciplinary approach leads students to recognize basic human qualities as they are expressed in various examples of literature, visual art, and music from around the world.

226 Human Experience in Traditional Cultures. (3) I, II. Formerly GSH 126. Prerequisite: GSH 124. This course explores universal concerns regarding human existence as these concerns have been expressed in selected examples of the literature, visual art, music, religion, and philosophy of traditional world cultures.

228 Human Experience in the Modern World. (3) I, II. Prerequisite: GSH 124. This course examines the conflicts between the traditional values and modern ideas of cultures in transition to industrial civilization. These conflicts are explored in selected examples of the literature, visual art, and music from cultures throughout the modern world.

300 The Human Predicament in the Contemporary World. (3) A. Prerequisite: six hours of courses approved for Humanities General Education (Area II). The major concern of this course is the problem of establishing and maintaining human dignity and a sense of personal worth in the rapidly changing contemporary world. This problem is explored in selected examples of contemporary literature, visual art, and music.

HUM—Humanities

400 Topics in Humanities. (3) A. An examination of a selected topic for the purpose of increasing one's understanding of the human experience. Study of the topic will involve an interdisciplinary approach and a global perspective. May be retaken for a maximum of 6 hours credit if the topic is different each time.

410 Humanities Seminar. (3) A. Prerequisite: Instructor approval. Provides students with an opportunity to integrate insights into the subjective human experience gained from a study of various creative, religious, and philosophical expressions of mankind. Introduces students to bibliographic tools and research methods appropriate to the study of humanities.

DEPARTMENT OF

MUSIC

Muns, G., Chair; Beeler, Bennet, Boewe, Bromley, Cooper, Duncan, Greenlee, Haas, Hartwell, A. W. Harvey, Henrickson, Hensel, Hoagland, Illman, Lawson, Shockley, Staples, R. Surplus, Thomas, Timm, van Boskirk, Wolfrom.

The primary function of the Department of Music is to prepare music specialists for service in the public schools, to prepare students for careers in church music, private studio teaching, concert performance, professional ensemble performance, teaching in colleges and universities and other aspects of professional musicianship, and to provide instruction to the university-at-large in courses for the elementary classroom teacher and by offering courses which contribute to the general education and cultural development of all students on the campus.

DEGREES AMD OPTIONS

The Department of Music offers a variety of undergraduate degrees and options:

Bachelor of Music
  with options in:
  Performance
  Church Music
Bachelor of Arts, major in Music
  with options in:
  Theory/Composition
  Music History and Literature
  Performance
Bachelor of Arts, Major in Music Merchandising
Bachelor of Music Education (Teaching Area)

PIANO CERTIFICATION REQUIREMENTS

All music majors and minors, as well as performing arts and music merchandising majors, must meet piano proficiency requirements of the Department of Music as outlined below. At the time of entrance, piano proficiency levels of all students will be ascertained. Instruction is provided for those who do not meet the prescribed standard; these students will take MUS 110 and 111 (Beginning Class Piano I and II) in their first residency in order to achieve the necessary proficiency to pass the Level I Piano Proficiency Examination. Students assigned to MUS 102 (Introduction to the Fundamentals of Music) who are deficient in basic music reading skills will

take MUS 109 (Introductory Class Piano) before beginning MUS 110. Those students required by their degree programs to take MUS 281-82 (Intermediate Theory III and IV) will take MUS 210-211 (Intermediate Class Piano I and II) during their second year and must complete the Level II. Piano Proficiency Examination. At any time during the year a student may petition to take the Piano Proficiency Examination. Successful completion of the examination exempts the student from further attendance in piano class.

The *Level I* Piano Proficiency Examination includes the following:

1) Sight reading simple solos and accompaniments.
2) Playing by ear and harmonizing familiar songs in all keys.
3) Transposing melodic and simple harmonic materials.
4) Improvising in traditional and contemporary styles.
5) Prepared performance of pieces approved by the piano faculty.
6) Scales, chords, and common harmonic progressions in all keys.

The *Level II* Piano Proficiency Examination follows the same basic format, but with a more advanced level of materials and skills required.

For a detailed description of the examination requirements, and representative examples of each item, please consult the current Piano Proficiency Guidelines available from the Keyboard Area.

THEORY PLACEMENT INTERVIEW

A Theory Placement Interview is required of all students planning to enroll in MUS 181.

APPLIED MUSIC

Instruction is given in individual lessons of one or two one-half hour periods per week, or in applied music classes which meet two one-hour periods per week. Grade-level standards for individual applied music lessons are on file in the Department of Music and will be issued to students upon request at the beginning of the session in which instruction is given. Admission to upper division applied music study will be by general proficiency examination during the jury examination after the fourth semester. Applied music instruction is required for a minimum of eight semesters in all degree programs except the Bachelor of Arts in Music Merchandising if the student is approved for Co-op Study and the Bachelor of Music Education, in which cases seven semesters is the stated minimum. Applied music instruction must be continous throughout the four years of the prescribed curricula in the various degree programs. In instances of students transferring from other institutions or from other curricula who have not accumulated the requisite number of credit hours in applied music, permission may be granted with the approval of the chair to increase the number of hours of applied music which may be taken in any given semester to bring up the number of hours to the level required in the degree program in which the student is currently enrolled.

Practice facilities are provided by the Department of Music, the fees for which are included in the applied music fee. At the end of each semester, applied music jury examinations are held. No student taking applied music for credit will receive a grade for the semester's work without taking the jury examination unless excused by the departmental chair.

Recital Attendance. Attendance at the weekly departmental recitals and master classes is a regularly scheduled part of applied music instruction for majors. Absences will be treated in the same manner as absences in any other course. Students should attend all approved University concerts and recitals.

Music

BACHELOR OF MUSIC

Ensemble Requirements

Each student in the Bachelor of Music degree program must be enrolled in an ensemble which reflects the student's major applied area during each semester of residence with the approval of his major applied teacher and the department chair. Additional hours in chamber music, accompanying, or opera workshop may be required at the recommendation of the Department of Music. Pianists and organists may fulfill the requirement through accompanying.

OPTION IN PERFORMANCE, BACHELOR OF MUSIC

Major Requirements . . . . . 70 hours
MUS 181, 182, 272, 281, 282, 366, 367 or 368, 371, 372, 383, 399, 480, 481, 499 (2 hrs.), 550 (1 hr.), 551 (1 hr.), 3 hours elective from upper division courses in Music History and Literature, Applied major instrument or voice: 23 hours. Two hours credit per semester in first and second years. Four hours credit fifth semester, three hours credit sixth semester, four hours credit seventh and eighth semester. Music ensemble: 4 hours.

Supporting Course Requirements. . . . . 3 or 9 hours
Foreign language: Voice majors, 6 hours one language and FLS 300. Instrumental majors FLS 300 or 3 hours of a language.

General Education Requirements. . . . . 41 hours
Standard General Education program excluding course categories 07, 08, and 20. Refer to Part three of this Catalog for details on the General Education and University requirements.

Restricted Electives . . . . . 8 hours
Free Electives (instrumental majors only). . . . . 6 hours
Total Curriculum Requirements . . . . . 128 hours

All candidates for the Bachelor of Music, option in Performance, degree will perform a qualifying audition to take place no later than two weeks after the opening of the first semester of their residency. Candidates will then be placed on probationary status for two semesters or accepted as full candidates for the degree. At the end of the one-year probationary period, the student may re-audition for full candidacy. Candidates will be re-evaluated periodically. Appeal procedures are on file in the Department of Music. The Audition Committee will include at least three members of the faculty from the area of specialization. The Area Coordinator will chair the Audition Committee.

OPTION IN CHURCH MUSIC, BACHELOR OF MUSIC

Major Requirements . . . . . 69 hours
MUS 181, 182, 272, 281, 282, 366, 368, 371, 372, 480, 481, 551 (2 hours), 556; 9 hours chosen from 416, 417, 418, 419; 499 (1 hr.), Applied keyboard instrument (normally organ) or voice: 15 hours. Two semesters keyboard for non-keyboard majors, 2 semesters voice for non-voice majors or until the candidate reaches an acceptable level in the secondary area or areas of performance: 2 - 4 hours. Music ensemble: 4 hours. Instrumental majors must have at least 2 years of choral ensemble experience.

Supporting Course Requirements . . . . . 6 hours
FLS 300, REL 305 or 306.

General Education Requirements. . . . . 41 hours
Standard General Education program excluding course categories 07, 08, and 20. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Restricted Electives . . . . . 8 hours
Free Electives . . . . . 4 hours
Total Curriculum Requirements . . . . . 128 hours

Music

MAJOR, BACHELOR OF ARTS

Recital and Ensemble Requirements

A senior recital (MUS 499, 1 hour) is required for the option in Performance, but not for the options in Theory/Composition or in Music History and Literature. Ensemble participation is required for the options in Performance and in Music History and Literature; it is recommended for the option in Theory/Composition.

MAJOR IN MUSIC, OPTION IN THEORY/COMPOSITION, BACHELOR OF ARTS

Major Requirements ..... **52 hours**
MUS 181, 182, 272, 281, 282, 283 (2 hours), 371, 372, 383, 480, 481, 555 or 556, 483 (4 hours), 483 or 585 (2 additional hours). Applied instrument and/or voice: 8 hours.
Supporting Course Requirements ..... **0 hours**
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **21 hours**
Total Curriculum Requirements ..... **128 hours**

MAJOR IN MUSIC, OPTION IN MUSIC HISTORY AND LITERATURE, BACHELOR OF ARTS

Major Requirements ..... **52 hours**
MUS 181, 182, 272, 281, 282, 371, 372, 471, 472, 480, 555, 556. Applied instrument and/or voice: 8 hours. Music ensemble: 4 hours.
Supporting Course Requirements ..... **0 hours**
General Education Requirement..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **21 hours**
Total Curriculum Requirements ..... **128 hours**

MAJOR IN MUSIC, OPTION IN PERFORMANCE, BACHELOR OF ARTS

Major Requirements ..... **48 hours**
MUS 181, 182, 272, 281, 282, 371, 372, 480, 499 (1 hour). Applied major instrument or voice: 15 hours. Music ensemble: 4 hours.
Supporting Course Requirements ..... **0 hours**
General Education Requirements..... **55 hours**
Standard General Education program. Refer to part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **25 hours**
Total Curriculum Requirements ..... **128 hours**

Music Merchandising

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **67-73 hours**
MUS 130, 131, 181, 182, 251, 252, 272, 273, 349, 351, 352, 354, 390, 391, 456, 457, ACC 201, 202, ECO 230, 231, FIN 300, MGT 330, MKT 304, 310, 320. Applied major instrument or voice: 7 hours. Music ensemble: 4 hours
Supporting Course Requirements ..... **0 hours**
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of the Catalog for details on the General Education and University requirements.
Free Electives ..... **3 or 8 hours**
Without MUS 349 5 hours ..... 8 hours
With MUS 349 5 hours ..... 3 hours*
Total Curriculum Requirements ..... **128 hours**

*A total of 8 hours may be taken under course title MUS 349 with approval of the Bachelor of Arts in Music Merchandising Committee. No hours in MUS 349 may be elected without BAMM Committee approval. Such approval will authorize a total of 8 hours although a student so approved may elect to take only the 5 hour cooperative program under MUS 349. Students will elect the 1-3 hours in addition to the 5 hour cooperative program only with the understanding that they will also take the basic 5 hour cooperative program.

MINOR IN MUSIC

MUS 181, 182, 371, 372, 4 hours of electives in music ..... **18 hours**
Candidates must pass the Piano Proficiency Examination or take MUS 110 and 111 which cannot be counted as a part of the minor.

Music (Teaching)

TEACHING AREA, BACHELOR OF MUSIC EDUCATION

At press time, the BME program and its certification options were in process of revision. Following approvals, detailed program requirements will be available from the Department of Music.

Applied Music and Honors Recital (BME)

Students in the Bachelor of Music Education (Teaching) program will register for a minimum of 7 hours of applied instruction to continue every semester of residence except the practice-teaching semester. The student may present a half-recital before graduation if recommended by the applied teacher and the appropriate Applied Music Committee for a Bachelor of Music Education Honors Recital. In such instances the student will take six hours in the applied major instrument or voice plus one hour of MUS 499 Recital. Students not presenting an Honors Recital will have performed three times during the seven semesters of applied music study in masterclass or weekly student recital and will take a Final Jury Examination at the end of the seventh hour of instruction. Such students will not register for MUS 499 Recital but will continue in the normal sequence of applied music courses for the seventh hour. More detailed information concerning recital requirements in the Bachelor of Music Education degree may be obtained from the Department of Music.

Ensembles (BME)

Each full-time student must be enrolled for seven semesters in an ensemble which reflects the major performing specialty. Students with brass, woodwind, and percussion emphasis will elect Marching Band during all fall semesters in residence and Concert or Symphonic Band during spring semesters. String majors must participate in Orchestra for a minimum of seven semesters. Music education majors with strings as a second area of emphasis (those studying applied strings for more than two semesters), if deemed sufficiently proficient, must participate in Orchestra or other string ensembles during each semester of applied lessons beyond the second semester. Keyboard majors may fulfill the seven semester ensemble requirement in either vocal or instrumental ensemble or by accompaniment duties in the junior and senior years as specified by the keyboard faculty. Students with vocal emphasis will elect Concert Choir or University Singers for seven semesters. Students enrolling in more than three ensembles must receive permission for such participation from their applied teacher, ensemble director, and advisor. Part-time students or transfer students who have completed seven semesters of ensemble participation will not be required to participate in additional ensembles unless they so desire. Any deviation from the above listed requirements must be recommended by the student's advisor in writing and approved by the chair of the Department of Music.

GRADUATE PROGRAMS

Graduate study in music can lead to the Master of Music degree, with options in Performance, Theory/Composition, and Choral Conducting. The Master of Arts in Education with an option in Music, the Master of Music Education degree, and Rank I Certification are offered in the College of Education with the cooperation of the Department of Music. These graduate degrees prepare students for leadership roles in music education at all levels; build a sound foundation for further graduate study leading to a doctorate; provide insight into the structure of music; increase knowledge of musical culture through intensive study of music literature; provide a core of knowledge from the fields of learning theory, philosophy of education, and curriculum development, thus enabling students to use modern educational principles in guiding the musical growth of others.

The program of study includes required subjects in music education teaching techniques, music history and literature, structure and organization in music, applied music, and related fields. Flexibility is provided for students to pursue particular interests in the field of music.

Qualifications for admission and procedures for entrance may be found in the Graduate Catalog. More detailed information may be obtained by writing the Department of Music or the Dean of the Graduate School.

Course Descriptions

APPLIED MUSIC

MUS — Music

109 Introductory Class Piano. (1) I. For non-piano majors deficient in music reading skills and enrolled in MUS 102. Elementary keyboard techniques and reading drill. Credit does not count toward a music major or minor.

110 Beginning Class Piano I. (1) I, II. Corequisite: MUS 181. Prepares non-piano majors to meet Level I Piano Proficiency Examination requirements. Basic keyboard skills, elementary repertoire, and technique. Some music reading ability required. May be retaken for a maximum of 2 hours. Credit does not count toward a music major or minor.

111 Beginning Class Piano II. (1) I, II. Prerequisite: MUS 110 or approval of instructor. Corequisite: MUS 182. Continuation of MUS 110. May be taken for a maximum of 2 hours. Credit does not count toward a music major or minor.

112 Piano I. (1 or 2) I, II. One or 2 lessons per week. May be retaken for a maximum of 4 hours.

122 Voice I. (1 or 2) I, II. One or 2 lessons per week. May be retaken for a maximum of 4 hours.

130 String Instruments Class I. (1) I. Fingering, care of instruments, and tone production. Group instruction to prepare for teaching strings in class and for training string section of a school orchestra; survey of teaching materials.

131 String Instruments Class II. (1) II. Continuation of MUS 130.

132 String Instruments I. (1 or 2) I, II. One or 2 lessons per week. Instruction available in a. violin, b. viola, c. violoncello, d. string bass, e. viola da gamba, f. guitar, g. electric bass. May be retaken for a maximum of 4 hours.

142 Organ I. (1 or 2) I, II. One or 2 lessons per week. May be retaken for a maximum of 4 hours.

145 Brass Instruments I. (1 or 2) I, II. One or 2 lessons per week. Instruction available in a. cornet and trumpet, b. french horn, c. baritone horn, d. trombone, e. tuba. May be retaken for a maximum of 4 hours.

146 Woodwind Instruments I. (1 or 2) I, II. One or 2 lessons per week. Instruction available in a. flute, b. oboe, c. clarinet, d. bassoon, e. saxophone. May be retaken a maximum of 4 hours.

147 Percussion I. (1 or 2) I, II. One or 2 lessons per week. May be retaken for a maximum of 4 hours.

210 Intermediate Class Piano I. (1) I, II. Prerequisite: MUS 111 or approval of instructor. Corequisite: MUS 281. Second year course for non-piano majors to meet Level II Piano Proficiency Examination requirements. Continuation of skill development listed under MUS 110; more complex materials, intermediate repertoire, and technique. May be retaken for a maximum of 2 hours. Credit does not count toward a music major or minor.

211 Intermediate Class Piano II. (1) I, II. Prerequisite: MUS 210 or approval of instructor. Corequisite: MUS 282. Continuation of MUS 210. May be retaken for a maximum of 2 hours. Credit does not count toward a music major or minor.

212 Piano II. (1 or 2) I, II. One or 2 lessons per week. May be retaken for a maximum of 4 hours.

222 Voice II. (1 or 2) I, II. One or 2 lessons per week. May be retaken for a maximum of 4 hours.

232 String Instruments II. (1 or 2) I, II. One or 2 lessons per week. Instruction available in a. violin, b. viola, c. violoncello, d. string bass, e. viola da gamba, f. guitar, g. electric bass. May be retaken for a maximum of 4 hours.

242 Organ II. (1 or 2) I, II. One or 2 lessons per week. May be retaken for a maximum of 4 hours.

245 Brass Instruments II. (1 or 2) I, II. One or 2 lessons per week. Instruction available in a. cornet and trumpet, b. French horn, c. baritone horn, d. trombone, e. tuba. May be retaken for a maximum of 4 hours.

246 Woodwind Instruments II. (1 or 2) I, II. One or 2 lessons per week. Instruction available in a. flute, b. oboe, c. clarinet, d. bassoon, e. saxophone. May be retaken for a maximum of 4 hours.

247 Percussion II. (1 or 2) I, II. One or 2 lessons per week. May be retaken for a maximum of 4 hours.

251 Brass Instruments Class I. (1) I. Fingering, care of instruments, tone production, and tuning. Group instruction to prepare for teaching brass instruments in band or orchestra. Examination of materials suitable for beginning instrumental programs.

252 Brass Instruments Class II. (1) II. Prerequisite: MUS 251. Continuation of MUS 251.

312 Piano III. (1, 2 or 4) I, II. One or 2 lessons per week. May be retaken for a maximum of 8 hours.

313 Accompanying. (½) I, II. Prerequisite: approval of Keyboard Coordinator. Upper-division keyboard students may substitute MUS 313 for ensemble requirements. Additional accompanying hours assigned. May be retaken for a maximum of 2 hours.

320 Class Voice. (1) I, II. Basic vocal techniques with emphasis on developing the voice for solo and/or choral performance.

322 Voice III. (1, 2 or 4) I, II. One or 2 lessons per week. May be retaken for a maximum of 8 hours.

332 String Instruments III. (1, 2 or 4) I, II. One or 2 lessons per week. Instruction available in a. violin, b. viola, c. violoncello, d. string bass, e. viola da gamba, f. guitar, g. electric bass. May be retaken for a maximum of 8 hours.

333 Guitar Class. (1) A. Group instruction in functional guitar with emphasis on chording, tone production, care of instruments, and survey of teaching materials.

342 Organ III. (1, 2 or 4) I, II. One or 2 lessons per week. May be retaken for a maximum of 8 hours.

345 Brass Instruments III. (1, 2 or 4) I, II. One or 2 lessons per week. Instruction available in a. cornet and trumpet, b. french horn, c. baritone horn, d. trombone, e. tuba. May be retaken for a maximum of 8 hours.

346 Woodwind Instruments III. (1, 2 or 4) I, II. One or 2 lessons per week. Instruction available in a. flute, b. oboe, c. clarinet, d. bassoon, e. saxophone. May be retaken for a maximum of 8 hours.

347 Percussion III. (1, 2 or 4) I, II. One or 2 lessons per week. May be retaken for a maximum of 8 hours.

351 Woodwind Instruments Class I. (1) I. Fingering, care of instruments, tone production, and tuning. Group instruction to prepare for teaching woodwind instruments in band or orchestra. Examination of materials suitable for beginning instrumental programs.

352 Woodwind Instruments Class II. (1) II. Prerequisite: MUS 351. Continuation of MUS 351.

354 Percussion Class I. (1) I, II. Snare drumming, rudiments, teaching techniques. Experience on all related percussion instruments: bass drum, tympani, and others. Some experiences with mallet instruments; marimba, xylophone, bells, and others.

355 Percussion Class II. (1) A. Prerequisite: MUS 354. Continuation of MUS 354.

399 Junior Recital. (1) I, II.

412 Piano IV. (1, 2 or 4) I, II. One or 2 lessons per week. May be retaken for a maximum of 12 hours.

422 Voice IV. (1, 2 or 4) I, II. One or 2 lessons per week. May be retaken for a maximum of 12 hours.

432 String Instruments IV. (1, 2 or 4) I, II. One or 2 lessons per week. Instruction available in a. violin, b. viola, c. violoncello, d. string bass, e. viola da gamba, f. guitar, g. electric bass. May be retaken for a maximum of 12 hours.

442 Organ IV. (1, 2 or 4) I, II. One or 2 lessons per week. May be retaken for a maximum of 12 hours.

445 Brass Instruments IV. (1, 2 or 4) I, II. One or 2 lessons per week. Instruction available in a. cornet and trumpet, b. french horn, c. baritone horn, d. trombone, e. tuba. May be retaken for a maximum of 12 hours.

446 Woodwind Instruments IV. (1, 2 or 4) I, II. One or 2 lessons per week. Instruction available in a. flute, b. oboe, c. clarinet, d. bassoon, e. saxophone. May be retaken for a maximum of 12 hours.

447 Percussion IV. (1, 2 or 4) I, II. One or 2 lessons per week. May be retaken for a maximum of 12 hours.

499 Recital. (1 or 2) I, II.

512 Piano V. (1 to 4) I, II. May not be taken for credit by piano majors.

513 Techniques of Accompanying. (1) I, II. Practical training in the tradition, interpretation, and execution of accompaniments. May be retaken for a maximum of 2 hours.

522 Voice V. (1 to 4) I, II. May not be taken for credit by voice majors.

542 Organ V. (1 to 4) I, II. May not be taken for credit by organ majors.

MUSIC ENSEMBLES

Ensembles are open to all students enrolled in the University and to qualified persons not enrolled. Interested individuals are invited to participate and should confer with the director of each ensemble to arrange for an audition.

MUS — Music

127, 327 Opera Workshop. (½) I, II. Prerequisite: approval of instructor. Preparation and presentation of opera scenes and complete works. All phases of performance and technical procedures of staging, costumes, and management.

205 Chamber Music. (½) I, II. Study and performance of standard chamber music literature. Open to pianists, vocalists, string, wind, and percussion players upon recommendation of instructor. Course may be retaken.

225 Choir. (½) I, II. Rehearsal and performance of choral literature of the highest standard. Sections may include Chamber Singers, Concert Choir, Madrigal Singers, Oratorio Chorus, Women's Ensemble, Bell Ensemble, Conducting Ensemble, and Show Choir. Two or 3 rehearsals per week. Course may be retaken.

226 University Singers. (½) I, II. Rehearsal and performance of the finest music written for the small vocal ensemble. Concerts given both on and off campus. Three or more rehearsals per week. May be retaken for a maximum of 4 hours credit.

235 Orchestra. (½) I, II. Rehearsal and performance of outstanding orchestra literature from all style periods. Concerts given both on and off campus. Three or more rehearsals per week. May be retaken for a maximum of 4 hours credit.

250 Small Ensembles. (½) I, II. Rehearsal and performance for: String Orchestra, Brass Choir, Percussion Ensemble, Stage Band, and Clarinet Choir. Course may be retaken.

255 Band. (½) I, II. Rehearsal and performance of standard band literature. Sections may include Concert and Symphonic Bands and Wind Ensemble. May be retaken for a maximum of 4 hours credit.

256 Marching Band. (1) I. Preparation and performance of marching band shows during the football season. Three or more rehearsals per week. May be retaken for a maximum of 4 hours credit.

OTHER MUSIC COURSES

MUS — Music

102 Introduction to the Fundamentals of Music. (3) I, II. Required by students whose musical experience and preparation, as indicated by the Theory Placement Interview, are deemed insufficient to complete MUS 181. Credit does not count toward a music major or minor.

181 Beginning Theory I. (4) I. Corequisite: MUS 110 or equivalent. Perception and understanding of music through an integrated study of relatively simple, short structures from the late Baroque to the early Romantic periods.

182 Beginning Theory II. (4) II. Prerequisite: MUS 181. Corequisite: MUS 111 or equivalent. Continuation of MUS 181.

271 Enjoyment of Music. (3) I, II. May not count toward a music major or minor. Provides the general college student with a cultural background in music. Masterpieces of music, composers, and techniques presented through listening materials and concert attendance.

272 Music Literature. (3) I, II. Critical listening and scorereading of the standard repertory of music in Western Civilization from Gregorian plainchant to the Contemporary era.

273 Survey of American Popular Music. (3) I, II. Survey of popular music establishing its origins in jazz and tracing its development to the present time. Rhythm blues, folk, rock, soul, and country and western.

281 Intermediate Theory III. (4) I. Prerequisite: MUS 182. Corequisite: MUS 210 or equivalent. Continuation of MUS 182. Integrated skills further developed through the study of more difficult, longer structures from the Baroque and Classic periods.

282 Intermediate Theory IV (4) II. Prerequisite: MUS 281. Corequisite: MUS 211 or equivalent. Continuation of MUS 281. Integrated skills further developed through the study of more difficult structures from the Romantic and Modern periods.

283 Beginning Composition. (1) A. Prerequisite: approval of instructor. Guidance in the exploration and development of compositional techniques relevant to the student's stylistic direction. Correct notation and major stylistic analysis stressed. May be retaken for a maximum of 4 hours provided the subject matter is different each time.

349 Cooperative Study: Music. (1-8) A. Prerequisite: Departmental approval. Work in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 8, associate; 16, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

360 Music Fundamentals for the Elementary Teacher. (2) I, II. Open only to Elementary Education majors who have been admitted to the Teacher Education Program. Provides the grade teacher with sufficient knowledge and skills to teach music in the classroom. Notation, rhythmic participation, rhythm and melody instruments, creative activities, and listening experiences.

366 Fundamentals of Conducting (1) I. Prerequisite: junior standing in music or approval of instructor. Basic techniques of conducting.

367 Instrumental Conducting. (1) II. Prerequisite: MUS 366. Instrumental conducting techniques and their application in rehearsal and performance.

368 Choral Conducting. (1) II. Prerequisite: MUS 366. Choral conducting techniques and their application in rehearsal and performance.

371 Music History I. (3) I. Prerequiste: MUS 271 or approval of instructor. Survey of music history from beginnings through the Baroque era.

372 Music History II. (3) II. Prerequisite: MUS 371 or approval of instructor. Survey of music history from the Classical era to the present.

383 Orchestration. (2) I, II. Survey or ranges, timbres, and characteristics of orchestral instruments. Scoring for choirs and full orchestra.

384 Scoring for Band. (2) I, II. Primary course in instrumentation and arranging for band. Scoring for small ensembles, marching band, concert band, and other combinations of wind and percussion instruments.

385 Jazz Improvization. (2) A. Prerequisite: MUS 182 and upper division status on a major instrument and approval of instructor. Open to music majors only. Skills required by the instrumental performer for improvising in contemporary jazz idioms. May be retaken for a maximum of 4 hours.

386 Compositional Techniques for Percussion. (1) A. Prerequisite: MUS 282 or approval of instructor. Methods and techniques of scoring for contemporary percussion. Emphasis on notational changes and performance techniques other than traditional.

390 Survey of the Music Industry I. (2) I. Examination of the music industry including marketing and promotion, advertising, record production and companies, commercial radio and records, and radio business. A project reflecting course study is required.

391 Survey of the Music Industry II. (2) II. Prerequisite: MUS 390 or approval of instructor. Continuation of MUS 390. Examination of the music industry including royalties, artist management, performing rights, trade journals, and industry relations and problems. A project reflecting course study is required.

416 Hymnology. (3) A. Development of the hymn; types of hymns and their uses; evaluation and effective use of materials in hymnals used today.

417 Techniques and Materials for Church Choirs. (3) A. Sacred choral repertoire; conductors' skills and techniques; church choir administration; evaluation and effective use of materials in hymnals being used today.

418 Church Service Playing Techniques and Materials. (3) A. Practical application of skills in accompanying anthems and oratorios, hymn playing, improvisations; examination of repertoire for service playing; survey of liturgies in use today.

419 History of Religious Music in Western Culture. (3) A. Prerequisites: MUS 272, 371, and 372 or permission of instructor. Survey of music style as it relates to religious thought and practice in the history of Western music beginning with early Hebrew traditions to the present. Emphasis upon the development of religious music in America; current trends explored.

456 Survey of Choral Literature. (1) I, II. Choral literature from the major style periods, designed for use in the public schools, church choirs, and other choral organizations. Emphasis on published performing editions and interpretations of various styles.

457 Survey of Band and Orchestra Literature. (1) I, II. Band and orchestra literature from the major style periods designed for use in the public schools, symphony orchestras, and other large instrumental ensembles. Emphasis on published performing editions and interpretations of various styles.

471 Advanced Music History I. (3) A. Prerequisite: MUS 372 or equivalent. More intensive study of selected materials surveyed in MUS 371. Origins of Western theoretical systems through Bach.

472 Advanced Music History II. (3) A. Prerequisite: MUS 372 or equivalent. Continuation of MUS 471. Pre-classicism through the contemporary era.

480 Form and Analysis. (3) I, II. Prerequisite: junior standing in music. In-depth study of the materials of form from the motive through large structures.

481 Counterpoint. (3) A. Prerequisite: MUS 281 or equivalent. Analysis and composition in 16th and 18th century contrapuntal styles including parts of the mass, two and three-part inventions, and fugues.

483 Composition. (2) A. Prerequisite: MUS 282 or equivalent or approval of instructor. Individual guidance in the exploration and development of compositional techniques relevant to the student's stylistic direction. May be taken for a maximum of 8 hours, provided the subject matter is different.

516 Pipe Organ Design and Construction. (2) A. Prerequisite: approval of instructor. History of the pipe organ, its development and use from the Renaissance to the present; specifications; registrations; field trips to organ builders and representative pipe organ installations.

520 Diction for Singers. (1) A. For voice and choral conducting students. Enunciation and projection; accurate pronunciation in English, Latin, Italian, French, and German. Phonetics and the International Phonetic Alphabet.

550 Teaching Techniques. (1 or 2) A. Analysis of current teaching methods and materials with the intention of developing sound teaching procedures. May include observation and performance. Topics in woodwinds, brass, percussion, strings, voice, piano, and organ. May be retaken for a maximum of 2 hours.

551 Performance Literature. (1 or 2) A. Literature for various performing media relative to performance practices and problems. Topics in woodwinds, brass, percussion, strings, voice, piano, and organ. May be retaken for a maximum of 2 hours.

555 Symphonic Music Literature. (3) II. Prerequisite: MUS 371 and 372. Evolution of the symphony from its beginning to the 20th century with emphasis on score reading and listening.

556 Choral Music Literature. (3) II. Prerequisite: MUS 371 and 372. Survey of choral music literature from the 15th century to the present.

563 Teaching Piano in Classes. (2) A. Prerequisite: Three years of piano study at the college level or equivalent. Methods and materials used in the teaching of piano classes.

564 Advanced Instrumental Conducting. (2) A. Prerequisite: MUS 367 or equivalent. Development of skills in score reading, preparation, interpretation, and conducting of representative orchestra or band works.

565 Advanced Choral Conducting. (2 or 3) A. Prerequisite: MUS 368 or equivalent. Development of skills in score reading, preparation, interpretation, and conducting of representative choral works.

570 Band Pageantry. (2) A. Prerequisite: Approval of instructor. Charting and scoring for the modern marching band.

584 Fundamentals of Electronic Music. I. (2) A. Mechanics of the synthesizer. Emphasis on "sound possibilities" and their actual production.

585 Fundamentals of Electronic Music II. (2) A. Prerequisite: MUS 584 or approval of instructor. Composition through the use of the synthesizer. May be retaken for a maximum of 4 hours, provided the subject matter is different each time.

586 Workshop in Instrumental Music. (1 to 4) A. Topics in band or orchestra procedures. May be retaken for a maximum of 4 hours.

588 Pedagogy of Theory. (2) A. Comparative study of theory systems with emphasis on presentation and illustrative exercises dealing with related theoretical problems.

589 Workshop in Choral Music. (1 to 4) A. Techniques, literature, and materials pertinent to a particular area or areas of preparation and performance of choral music. Topics to be announced. May be retaken a maximum of 4 hours.

GRADUATE COURSES

605 Chamber Music. (½) A.
612 Piano. (1 to 5) I, II.
622 Voice. (1 to 5) I, II.
625 Choir. (½) I, II.
626 University Singers. (½) I, II.
627 Opera Workshop. (½) I, II.
632 String Instruments. (1 to 5) I, II.
635 Orchestra. (½) I, II.
642 Organ. (1 to 5) I, II.
645 Brass Instruments. (1 to 5) I, II.
646 Woodwind Instruments. (1 to 5) I, II.
647 Percussion. (1 to 5) I, II.
650 Small Ensembles. (½) I, II.
655 Band. (½) I, II.
672 Seminar in Music History. (1 to 3) A.
676 Advanced Notational Techniques for Percussion. (2) A.
680 Advanced Choral Interpretation. (2) A.
683 Seminar in Choral Procedures. (2) A.
684 Advanced Theory Survey. (3) A.
685 Psychology of Music. (3) A.
686 Advanced Counterpoint. (3) A.
687 Analytical Techniques I. (3) A.
688 Analytical Techniques II. (3) A.
689 Advanced Composition. (2) A.
690 Seminar in Advanced Theory. (3) A.
696 Special Project in Theory/Composition and Choral Conducting. (3) A.
697 Graduate Recital. (2 or 3) A.
698 Research in Music and Music Education (2) A.
699 Thesis. (3) A.

DEPARTMENT OF

Philosophy and Religion

Miller, J.R., Chair; B. Gray, B. Harris, Idziak, W. Jones, Nordgulen, F. Williams.

The Department of Philosophy and Religion offers a comprehensive undergraduate major in philosophy for students who wish to understand the main ideological forces at work in both the East and the West. The departmental programs are designed to prepare students for graduate study at other universities as well as for advanced professional training in fields where a background in philosophy is highly recommended. As part of the University's general goal to offer programs of study which prepare men and women to take their place in the continuing development of a democratic society, philosophy seeks to cultivate the art of effective and clear reasoning and offers the student a thorough grounding in the terminology of the great philosophers and philosophical systems.

The major in religion seeks, without sectarian or denominational bias, to provide the student with a scholarly access to all of the world religions — their doctrines, their historical development and their forms of ritual and worship. On such a foundation, the student should be able to continue the study

of religion at a graduate school for the purpose of obtaining an advanced teaching or research degree, or at a theological seminary for the purpose of preparing for a religious vocation. In addition, the program is designed to provide a good basic education in religion for the religious laity.

Philosophy

MAJOR, BACHELOR OF ARTS

Major Requirements ..... 30 hours
PHI 100, 110, 130, 200, 220, 310, and either 390 or 500, plus any additional 9 hours in Philosophy as approved by the department chair. Six hours of Religion may be counted as part of the 9 hours.
Supporting Course Requirements ..... 6 hours
Philosophy majors must take at least 6 hours of a foreign language at the intermediate level or above.
General Education Requirements..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... 37 hours
Total Curriculum Requirements ..... 128 hours

MINOR IN PHILOSOPHY

A minor consists of any 18 hours in Philosophy, including at least 3 hours in either PHI 100, 110, 130, 200, or 220. Three hours of Religion may be counted in a minor.

Religion

MAJOR, BACHELOR OF ARTS

Major Requirements ..... 33 hours
REL 301, 305, 306, 315, either 370 or 505, and at least one course from 340, 345, or 355; PHI 200, 240; plus any additional 9 hours from the following: REL 250, 335, 340, 345, 349, 355, 420, 495, PHI 310, ART 390, ENG 337, MUS 416, POL 317.
Supporting Course Requirements ..... 6 hours
Religion majors must take at least 6 hours of a foreign language at the intermediate level or above.
General Education Requirements..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... 34 hours
Total Curriculum Requirements ..... 128 hours

MINOR IN RELIGION

A minor consists of 18 hours in Religion, including at least 3 hours in either REL 301, 305, 306, 315 or PHI 240. Three hours of Philosophy may be counted in a minor, and if PHI 240 is taken, 6 hours of Philosophy may be counted.

Course Descriptions

PHI — Philosophy

100 Practical Reasoning. (3) I, II. Formerly PHI 211. The development of skills essential for the analysis and evaluation of reasoning and argumentation of kinds commonly encountered in essays, textbooks, news media, discussions, lectures, and work situations.

110 Beginning Philosophy. (3) I, II. Basic introductory course in philosophy. Consideration of perennial questions of the human experience, especially questions about reality, knowledge, self, values, and religious belief.

130 Beginning Ethics. (3) I, II. Survey of theories concerning the nature of right and wrong, emphasizing how these theories can be applied to personal moral choices.

132 Contemporary Moral Problems. (3) A. Prerequisite: PHI 130 or approval of instructor. A practical application of ethical theories to contemporary moral issues such as abortion, death and dying, privacy, plagiarism, sexual norms, civil disobedience, feminism, discrimination, honesty in business.

200 Greek and Roman Philosophy. (3) A. Formerly PHI 300. Survey of philosophical thought as seen through an examination of selected issues and selected philosophers from ancient Greece through the early Roman period.

220 Modern Philosophy. (3) A. Formerly PHI 301. Survey of philosophical thought as seen through an examination of selected issues and selected philosophers from the Renaissance through the 20th century.

240 Philosophy of Religion. (3) A. Study of religious experience, ideas of belief and knowledge, nature and existence of God, doctrine of persons, faith, religious ethics, religious language.

280ABC Short Topics in Philosophy. (1, 2, 3) A. Three distinct short topics offered sequentially during one semester. The student may take any or all of the topics, and the course may be repeated for a total of 6 hours so long as each topic is different.

300 Experiencing Philosophy. (1) A. Prerequisite: permission of instructor. Attendance at selected lectures, performances, and cultural events with oral discussion and written evaluation of these activities from a philosophical point of view. May be retaken for a total of 3 hours.

310 Medieval Philosophy. (3) A. Study of Christian, Jewish, and Islamic philosophical thought in the Middle Ages and of Renaissance scholasticism. Issues in various areas of philosophical inquiry are examined through selected readings from Augustine to Suarez.

332 Existentialism. (3) A. Formerly PHI 361. Study of the sources of modern existentialism in the writings of Pascal, Hamann, Kierkegaard, and Nietzsche, and an examination of such recent existentialists as Sartre, Camus, Unamuno, Jaspers, Buber, and Marcel.

340 Philosophy of Science. (3) A. Formerly PHI 440. How views of reality, knowledge, and values relate to science and scientists. Philosophical assumptions of science examined through historical examples of scientific investigations. The value and the values of scientific methods and scientific theories.

342 American Philosophy. (3) A. Formerly PHI 410. A critical examination of basic beliefs held by Americans regarding themselves, their culture, and world, through the thought of modern American philosophers such as Royce, Peirce, James Santayana, Woodbridge, Dewey, and Whitehead.

349 Cooperative Study: Philosophy. (1-8) A. Prerequisite: Departmental approval. Work in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 8, associate; 16, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 Toward a Philosophy of Human Sexuality. (3) A. A philosophical discussion of such topics as the meaning and purposes of human sexuality, pre-marital sex and promiscuity, sex and religious values, homosexuality, sexual rights and responsibilities, sexual ethics, sex and the aging.

362 Technology and Human Values. (3) A. Formerly PHI 385. Survey of contemporary theories concerning the interrelations of man, technology, and nature. Pro-technology and anti-technology positions are considered through the study of such representative theorists as Marcuse, McLuban, Boulding, Skinner, and Ellul.

371 Symbolic Logic. (3) A. Formerly PHI 430. Cross listed as MAT 371. Basic introduction to modern symbolic logic: propositional calculus, first-order predicate calculus, proofs and metaproofs, nature and properties of formal logical systems.

380 Ethics in Organizations. (3) A. Formerly PHI 450. Examination of ethical issues which arise in work organizations such as businesses, universities, churches, and the military. Typical topics include: loyalties and responsibilities of superiors and subordinates, codes of conduct, personal values versus organization objectives.

390 Special Topics in Philosophy. (3) A. Formerly PHI 480. Prerequisite: approval of instructor. Detailed examination of a problem-area or a school of philosophy in the history of philosophy or the thought of one outstanding philosopher. May be retaken for a maximum of 6 hours so long as the topic is different.

400 Metaphysics. (3) A. An elaboration of the various approaches to metaphysics in the history of philosophy, including contemporary anti-metaphysical points of view.

432 Philosophy of Art. (3) A. Formerly PHI 510. Examination of the major philosophical theories of art and beauty and the place of aesthetic language in the general area of value judgments. Representative classical and contemporary figures will be considered.

490 Independent Work in Philosophy. (3) I, II. Prerequisite: approval of instructor. Individual research and reading on a specified philosophical problem chosen by the student and instructor. Students must have the Independent Study Proposal form approved by

faculty supervisor and departmental chair prior to enrollment. May be retaken for a maximum of 6 hours so long as the work is different.

500 Seminar in Philosophy. (3) A. Formerly PHI 530. Prerequisite: approval of instructor. Intensive examination of a general philosophical subject such as metaphysics, epistemology or axiology. May be retaken for a maximum of 6 hours so long as the work is different.

515 Health and Biomedical Ethics. (3) I, II. An examination of the value-issues which surround problems which arise in health-related fields and whose resolution calls for moral judgments. Typical problems would include: euthenasia, experimentation with humans, behavior control, genetic engineering, distribution of health care facilities.

557 Classical Political Thought. (3) A. Cross listed as POL 557. Formerly: Pol 555. Examination of the origins of Western Political Thought. Intensive reading of Plato, Aristotle, and Cicero.

558 Medieval, Renaissance, and Retormation Political Thought. (3) A. Cross listed as POL 558. Examination of the political theories of Augustine, Aquinas, Dante, Marsillio, Machiavelli, Luther, Calvin, and Bodin. Attention to the church-state controversy, the development of the concepts of representation, constitutionalism, and sovereignty.

559 Modern Political Thought. (3) A. Cross listed as POL 559. Formerly POL 556. Examination of the development of political thought from Hobbes to Nietzsche.

REL — Religion

250 Varieties of Religious Experience. (3) A. An examination of the patterns of religious experience as exemplified in the doctrines, practices, prayers, rituals of various religions of the world.

301 World Religions. (3) I, II. Study of the basic notions found in the world's great religions. Attention is given to the historical context of the development of these religions and to the doctrines, rituals and literature produced by them.

305 Survey of the Old Testament. (3) I. Formerly REL 101. A survey of the history and religious development of the ancient Hebrews, with attention given to the religious concepts and values of the literature of the Old Testament.

306 Survey of the New Testament. (3) II. Formerly REL 201. A study of the history of the New Testament times and an examination of the meaning and significance of the teachings of Jesus and the writings of the early Church.

315 History of Christian Thought. (3) A. A survey of Christian theology, philosophical theology, and spirituality from the Apostolic Fathers through the early Reformation period.

335 Islam. (3) A. A study of the origins and religious development of Islam by an examination of the Koran and the writings of some major Islamic thinkers.

340 Religions of India. (3) A. Formerly PHI 340. Study of the major religions of India including the Vedic Period, classical systems, Epic Period, heterodox systems, orthodox systems, and contemporary thought.

345 Religions of China and Japan. (3) A. Formerly PHI 345. Study of the major religions of China and Japan, including original Han, Confucianism, Chou Schools, Neo-Taoism, Shinto, and Chinese and Japanese Buddhism.

349 Cooperative Study: Religion. (1-8) A. Prerequisite: Departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: 8, associate; 16, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

355 Religions of Africa. (3) A. A study of the traditional African religions and other religions in Africa.

370 Special Topics in Religion. (3) A. Formerly REL 470. Prerequisite: approval of instructor. Intensive study of a selected topic or an important figure in religion. May be retaken for a maximum of 6 hours if the topic is different.

420 Contemporary Ideas of God. (3) A. Formerly PHI 420. Study of some of the main concepts of God in contemporary thought, dealing with such Eastern thinkers as Radhakrishnan and Suzuki, as well as those in the Western tradition such as Berdyaev, Maritain, Buber, Altizer, Hartshorne, Findlay, Cobb.

495 Independent Work in Religion. (3) I, II. Prerequisite: approval of instructor. Individual study under the direction of an instructor on a special topic in religion. Students must have the Independent Study Proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken for a maximum of 6 hours so long as the work is different.

505 Seminar in Religion. (3) A. Prerequisite: approval of instructor. Research and discussion on a selected topic in religion, with special attention to the techniques of scholarly exploration. May be retaken for a maximum of 6 hours so long as the work is different.

DEPARTMENT OF

SPEECH AND THEATRE ARTS

Benson, R., Chair; Fields, Huss, K. Johnson, Robinette, T. Smith, Snider.

The Department of Speech and Theatre Arts offers major programs in Speech, Speech Communication and Human Relations, Speech and Theatre Arts, and Theatre Arts; and, in conjunction with the Department of Music, a Bachelor of Fine Arts in the Performing Arts.

Speech Communication and Human Relations

MAJOR, BACHELOR OF ARTS

The major in Speech Communication and Human Relations offers the student an interdisciplinary program in communication consisting of a core of communication and other human related courses, and an area of emphasis chosen by the student in consultation with his advisor. The goal of this interdisciplinary major is to produce a communication specialist with career opportunities in such fields as law enforcement, military, personnel and sales, social programs, government, industrial relations, and, for educators, human communication.

Major Requirements ..... **48 hours**
SPE 100, 200, 205, 220, 320, 350, 405, 410, PHI 362, PSY 202, 319, SOC 235, plus 12 hours to be selected by the student in consultation with the advisor.
Supporting Course Requirements ..... **0 hours**
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **25 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN SPEECH COMMUNICATION AND HUMAN RELATIONS

Minor Requirements ..... **21 hours**
SPE 200, 205, 350, 410, PHI 362, PSY 202, 319.

Speech

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **30 hours**
SPE 150, 200, 205, 300, 315 (3 hours), 340, 410, plus 9 hours SPE electives, 6 of which must be upper division.
Supporting Course Requirements ..... **0 hours**
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **43 hours**
Total Curriculum Requirements ..... **128 hours**

Speech (Teaching)

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **30 hours**
SPE 150, 200, 205, 300, 315 (3 hours), 340, 410, plus 9 hours SPE electives, 6 of which must be upper division. (A 21-hour teaching minor is also required; see degree requirements of the College of Arts and Humanities in this Catalog.)
Supporting Course Requirements ..... **28 hours**
EDF 102, 202, 317; EPY 318; ESE 442 or 443, 498, 499.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **15 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN SPEECH
Minor Requirements..... **18 hours**
SPE 150, 200, 205, 300, 340, 410.

MINOR IN SPEECH (TEACHING)
Minor Requirements..... **21 hours**
SPE 150, 200, 205, 300, 340, 410; plus 3 hours upper division SPE electives.

Speech and Theatre Arts

MAJOR, BACHELOR OF ARTS

Major Requirements..... **36 hours**
SPE 150, 205, 300, 315 (1 hour), 340, 410, THE 110, 135, 220, 130/330 (1 hour), 341, 390, 391, and 1 additional hour to be chosen from SPE 315 or THE 130/330.
Supporting Course Requirements ..... **0 hours**
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **37 hours**
Total Curriculum Requirements ..... **128 hours**

Speech and Theatre Arts (Teaching)

MAJOR, BACHELOR OF ARTS

Major Requirements..... **36 hours**
SPE 150, 205, 300, 315 (one hour), 340, 410, THE 110, 135, 220, 130/330 (1 hour), 341, 390, 391, and 1 additional hour to be chosen from SPE 315 or THE 130/330. (A 21-hour teaching minor is also required; see degree requirements of the College of Arts and Humanities in this Catalog.)
Supporting Course Requirements ..... **28 hours**
EDF 102; 202; 317; EPY 318; ESE 442 or 443; 498; 499.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **9 hours**
Total Curriculum Requirements ..... **128 hours**

Theatre Arts

MAJOR, BACHELOR OF ARTS

Major Requirements..... **30 hours**
SPE 150, THE 110, 135, 130/330 (4 hours), 341, 390, 391, and 8 hours THE electives.
Supporting Course Requirements ..... **0 hours**
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **43 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN THEATRE ARTS
Minor Requirements..... **18 hours**
THE 110, 135, 130/330 (3 hours), 341, 390, 391.

MINOR IN THEATRE ARTS (TEACHING)
Minor Requirements..... **21 hours**
THE 110, 135, 130/330 (3 hours), 341, 390, 391, plus 3 hours THE electives.

Performing Arts

MAJOR, BACHELOR OF FINE ARTS

The B.F.A. in the performing arts is a professional degree program designed to prepare the student as a performer in the musical theatre. The B.F.A. consists of course work in music, drama, and dance, and directed performance in musical theatre productions.

Major Requirements..... **74 hours**
SPE 150, 340, THE 110, 135, 215, 235, 280, 285 (4 hours), 130/330 (4 hours), 335, 341, 385 (4 hours), 390, 391, MUS 122, 222, 322, 422 (14 hours), 181, 182, 371, 372, 2 hours vocal ensemble to consist of 4 consecutive semesters of appropriate sections of MUS 225 or 226 starting the first semester of entrance into the program. Candidates must meet piano certification requirements as stated in the Music section of this Catalog.
Supporting Course Requirements ..... **0 hours**
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **129 hours**

Course Descriptions

SPE — Speech

100 Introduction to Speech Communication. (3) I, II. A study of theories and practices of communication in intrapersonal, interpersonal, small group, and public-speaking settings.

150 Improvement of Voice and Articulation. (3) I, II. Basic theory and speech production; drills for improvement of voice and articulation; adapted to students' individual speech needs.

200 Interpersonal Communication in Human Relations. (3) I, II. Analysis of the role of oral communication in human relationships with emphasis on primary one-to-one experience; performance directed toward student development of proficiency in oral communication.

205 Argumentation in Conflict Resolution. (3) I. Principles and practice of argument in conflict situations and the manner in which communication can serve as a vehicle for their intensification or resolution. Emphasis on analysis of political and legal discourse in human relations.

220 Human Relations in Group Interaction. (3) A. Group discussion of selected cases in human relations. Special emphasis on theories of human relationships and dynamics of the problem solving process.

300 Forms of Public Address. (3) I. Advanced study in the preparation and delivery of speeches toward the recognized ends of speaking; argumentative, conciliatory, commemorative, eulogistic, and evocation. Special emphasis on audience adaptation, selection of materials, organization, style, and delivery.

315 Forensics Practicum. (1) I, II. Prerequisite: Approval of instructor. Study and application of the principles of argumentation and debate. Students participate in intercollegiate forensic activities which include debate as well as individual speaking events.

SPE—Speech

320 Persuasion in Contemporary Communication. (3) A. A study of the theories of persuasion and their application as applied to the study of themes and tactics representative of the persuasive character of counter-culture persuasion, citizen advocacy programs, and political campaign management such as mass demonstration, civil rights, and political indoctrination.

340 Oral Interpretation: Solo and Group Performance. (3) A. Formerly SPE 240. Basic techniques of text analysis and practice in reading aloud as a solo performer and as a member of a group.

349 Cooperative Study: Speech. (1-8) A. Prerequisite: Departmental approval. Work in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 8, associate; 16, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 Organizational Communication. (3) A. Speech Communication for effective leadership in corporate business management, labor unions, ecclesiastical bodies, and municipal boards. Theory and practice in conference techniques, interviewing, parliamentary procedures, and public speaking.

405 Propaganda in Human Relations. (3) A. Analysis of propaganda as an instrument of social change with emphasis on the motives and strategies of traditional and contemporary movements and groups.

410 Foundations of Speech Communication Theory. (3) A. Foundational knowledge regarding the nature of human interaction, including such topics as communication on an interpersonal and intrapersonal level, systems of behavior in organizations, effects of mass communication, communication barriers and breakdowns.

490 Special Topics in Speech Communication: (3) A. Presentation of course material of a timely, specialized, or topical nature. Specific course orientation will appear beside title. May be retaken for a maximum of nine hours, provided subject matter is different each time.

499 Independent Study in Speech Communication. (1-3) I, II. Formerly Special Problems in Rhetoric and Public Address. Individual research and reading on a specified speech communication subject. Regular consultation and final paper or performance required.

GRADUATE COURSE

605 Independent Study in Speech Communication. (1-3) A.

THE — Theatre Arts

100 Forms and Philosophy of Theatre. (3) I, II. Understanding and appreciating the arts of the theatre, development of dramatic forms and practices, consideration of the elements of contemporary theatrical practice. Analysis of plays. Attendance at selected play productions required.

110 Fundamentals of Stagecraft. (3) I, II. Problems of stagecraft dealing with the scenic process; use of materials, methods of construction and handling of scenery, fabrication and construction of properties. 2 Lec/2 Lab.

130 Theatre Arts Practicum I. (1) I, II. Study and practice of acting and technical production through participation in departmental productions. May be retaken for a maximum of 3 hours.

135 Fundamentals of Acting. (3) I, II. Formerly THE 231. Study and practice in sense, body, and vocal awareness; exercises in observation, pantomime, and character development as related to scene study.

215 Theatrical Make-up. (2) A. Techniques in application and design of stage make-up, both straight and character.

220 Fundamentals of Costume Construction. (3) A. Study and practical experience in garment construction and related costume crafts as used in theatre costume design. 2 Lec/2 Lab.

235 Improvisational Acting. (3) A. An exploration of character and motivation through improvisational techniques. Includes intensified work in movement, research, voice and commitment.

280 Musical Theatre. (3) A. Study of the development of musical theatre as an art form, and an examination of the acting, directing, and production techniques peculiar to that form.

285 Dance for the Musical Theatre I. (2) I, II. A beginning course in dance for the musical stage. Starting with basic work in ballet to develop strength and coordination, the class moves into jazz styles and routines for the stage. Class meets for 1 hour, Monday through Thursday. May be retaken for a maximum of 4 hours.

310 Principles and Practices of Scenic Design. (3) A. Prerequisite: THE 110 or approval of instructor. Principles of composition, scale, perspective, and color applied to the stage; production of ground plans, sketches, and models. 2 Lec/2 Lab.

311 Principles and Practices of Lighting Design. (3) A. Prerequisite: Sophomore standing. Examination of theories of lighting with application to the stage, mixed media, dance, and natural environment. Consideration given to color principles, lighting instruments and control equipment. 2 Lec/2 Lab.

320 Principles and Practices of Costume Design. (3) A. Formerly THE 315. Design and execution of theatrical costumes with emphasis on originality, color and line. Attention given to costumes of various periods and styles. 2 Lec/2 Lab.

330 Theatre Arts Practicum II. (1) I, II. Prerequisite: THE 130 or approval of department. Continuation of THE 130. May be retaken for a maximum of 3 hours.

335 Script Analysis and Performance. (3) A. Prerequisite: THE 135. In-depth study of character analysis, with emphasis on the internal approach to acting and character portrayal. Scene work from the plays of such playwrights as Ibsen, Chekhov, O'Neill, Miller, Williams.

341 Fundamentals of Play Direction. (3) I. An introduction to the principles of play directing. Study of play selection and analysis, characterization, composition, blocking, and casting and rehearsal procedures.

349 Cooperative Study: Theatre Arts. (1-8) A. Prerequisite: Department approval. Work in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 8, associate; 16, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

360 Children's Theatre and Creative Dramatics. (3) A. Principles and practices of organizing and directing creative dramatics and children's theatre activities in the classroom and in the community. 2 Lec/2 Lab.

385 Dance for the Musical Theatre II. (2) I, II. Prerequisite: THE 285. Upper division dance course. Emphasis is placed on technique and polish through more advanced combinations and a greater diversity of styles. Ensemble work, tap, jazz, and partnering will be included. Class meets for 1 hour, Monday through Thursday. May be retaken for a maximum of 4 hours.

390 Development of Theatre in Western Civilization I. (3) I. Intensive examination of development of theatre from the Greeks to the French Renaissance.

391 Development of Theatre in Western Civilization II. (3) II. Development of theatre from the English Restoration to the modern period.

435 Styles of Acting. (3) A. Formerly THE 331. Prerequisite: THE 335. The study of roles and scenes from plays selected from the Greeks, Shakespeare, and the Restoration. Practice in character analysis and technique in styles in both tragedy and comedy; rehearsal and presentation of scenes.

442 Independent Study in Play Direction. (1-3) A. Prerequisite: THE 341 or approval of department. Direction of a studio or major production under faculty guidance.

490 Special Topics in Theatre Arts: (1-3) A. Presentation of course material of a timely, specialized or topical nature. Specific course orientation will appear beside title. May be retaken for a maximum of 9 hours, provided the subject matter is different each time.

499 Independent Study in Theatrical Production and Research. (1-3) I, II. Independent study in theatre production and research. Departmental approval required. May be retaken for a maximum of 6 hours credit.

GRADUATE COURSE

605 Independent Study in Theatre Arts. (1-3) A.

COLLEGE OF BUSINESS

HOWARD A. THOMPSON, Dean **JAMES M.L. KARNS, Associate Dean**

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The programs in the College of Business are designed to provide professional education for careers in business. Together with the general education requirements, the curriculum also provides an understanding of one's cultural heritage and of the citizen's role in a rapidly changing technological society.

The College of Business, in cooperation with the Graduate School, offers the degree of Master of Business Administration. The Department of Business Education and Office Administration cooperates with the College of Education to offer the Master of Arts in Education degree for teachers of business.

Four-year programs leading to the degree of Bachelor of Business Administration are offered in accounting, coal mining administration, computer information systems, economics, finance, general business, health care administration (in cooperation with the College of Allied Health and Nursing), insurance, management, marketing, office administration, real estate, and transportation and physical distribution. Pre-baccalaureate programs in business have been established to facilitate the admission of qualified students into these programs. Specific requirements for admission to Bachelor of Business Administration degree programs are listed below. A four-year program for secondary business teachers leading to the Bachelor of Science degree is also offered.

The College of Business offers two-year programs leading to the Associate of Arts degree in the following areas: administrative office services, executive secretary, legal secretary, and medical secretary.

Specific program requirements are outlined in the departmental sections of the Catalog. Each student, upon entering the College of Business, is assigned a faculty advisor. Students should consult with the College of Business advising office for routine curriculum matters and for assignment to an appropriate faculty advisor for advice on career matters and in the choice of elective courses.

Many students planning to attend law school find undergraduate programs in business particularly good background for their legal study.

Students pursuing a Bachelor of Business Administration degree who desire to enter international business, by careful planning, may concentrate 15 to 29 hours in history, geography, and language of a foreign trade area of greatest interest to them. Foreign trade area preparation is encouraged by and attractive to international business firms. Within this concentration, the student is encouraged to include cooperative study assignments with an international business firm. Business students interested in a foreign trade area concentration should contact the College of Business advising office.

Students in the College of Business are eligible for financial aid and grants, as are all other students in the institution, and should contact the Financial Assistance office if interested.

FRESHMEN AND SOPHOMORES IN THE COLLEGE OF BUSINESS

Students desiring admission to a program leading to a Bachelor of Business Administration (BBA) degree must complete MAT 107 or 211; ENG 101 and 102, or 105; ACC 201-202; ECO 220; 230; 231; CIS 212; GBU 204. These students will be enrolled in a pre-baccalaureate business program. Pre-baccalaureate business program students shall declare an intended major within the College of Business and will be assigned an academic advisor. Entry into the pre-baccalaureate business program does not guarantee admission to a baccalaureate degree (BBA) program in the College of Business. To be admitted to a BBA program, the student must have completed a minimum of 60 semester hours of course work, including MAT 107 or 211; ENG 101 and 102, or 105; ACC 201; 202; ECO 220; 230; 231; CIS 212; GBU 204; and must have achieved an overall grade point average of 2.0. Students may pre-register during the second semester of their sophomore year for upper division courses in the College of Business that are required for the Bachelor of Business Administration degree if they have completed at least 42 semester hours of college work and are enrolled in or have completed the ten courses listed above and enough additional work to include their 60th semester hour. If the preregistered student does not meet the requirement for full admission to a BBA program at the beginning of the semester for which the student has pre-registered (i.e., completion of at least 60 semester hours of course work, completion of the 30-hour pre-baccalaureate core specified above, and the attainment of an overall 2.0 grade point average), the student will be required to withdraw from upper division courses in the College of Business until satisfactorily completing all program admission requirements.

TRANSFER STUDENTS AND STUDENTS FROM OTHER COLLEGES

Transfer students must have completed at least 60 semester hours of course work and all courses listed above to be eligible for admission into a Bachelor of Business Administration program. Admission requirements into BBA programs for transfer students shall be the same as those for students enrolling initially at Eastern Kentucky University, including an overall grade point average of 2.0.

Transfer students and students from other colleges may be admitted to a pre-baccalaureate business program while they are qualifying for admission into a Bachelor of Business Administration program.

Students from other colleges at Eastern Kentucky University wishing to change their degree to a Bachelor of Business Administration must satisfy requirements specified for pre-

baccalaureate business majors. Admission is based on completion of MAT 107 or 211; ENG 101 and 102, or 105; ACC 201; 202; ECO 220; 230; 231; CIS 212; GBU 204; a total of at least 60 semester hours completed, and an overall grade point average of 2.0.

Students from other colleges at Eastern Kentucky University who wish to enroll in an upper division course in the College of Business must be classified as a junior or higher and meet all course prerequisites.

ELIGIBILITY FOR READMISSION

Any student who is withdrawn from a Bachelor of Business Administration degree program and wishes to be readmitted must petition, in writing, the Admission Committee of the department responsible for the major. The petition must be filed in the department office by April 15 for summer term or fall semester entry and October 15 for spring semester entry. Readmission decisions may be appealed only on a procedural basis to the College of Business Admission Appeals Committee. Final appeal authority resides entirely within the College of Business. The College of Business Admission Appeals Committee shall be composed of one elected member from each department within the College of Business. The chair of this committee shall be selected by the members of the committee. The Dean or Associate Dean of the College of Business shall serve as a non-voting member of this committee.

PLANNED CURRICULUM

Upon completion of 60 hours, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by consulting the faculty advisor in the major department. Teaching majors must have been admitted to the Teacher Education Program prior to the preparation of a planned curriculum. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor.

REQUIREMENTS FOR GRADUATION

In order to be graduated with a Bachelor of Business Administration degree, students must apply to the office of the Dean of the College of Business. December graduates should apply the preceding April; May and August graduates should apply the preceding October. The requirements for the degree are as follows:

1. A minimum of 128 hours and a grade point average of 2.0. In addition, a 2.0 grade point average must be maintained in all work taken in the College of Business.
2. Candidates for degrees must earn 30 of the last 36 hours at Eastern Kentucky University. This requirement may be waived by the Dean of the College of Business.
3. Hours earned by correspondence study are accepted upon written approval of the Dean. However, not more than 25 percent of the total hours offered for the degree may be in correspondence, military credit, or credit by examination.
4. Of the 128 hours for the degree, 43 must be earned in upper division courses (courses at the 300, 400, and 500 level).
5. Not more than 60 percent of undergraduate coursework shall be devoted to business, economics, and administration. However, up to nine hours of lower division economics will not be included in this 60 percent.
6. Completion of the business core and supporting course requirements.
7. At least 12 of the hours in the major must be earned at Eastern Kentucky University. A grade of "C" or higher is required in each course for credit toward the major.
8. Students must choose a major field at the time they enter the College of Business. The student's trial schedule for each semester must be approved by the appropriate advisor until an approved Application for Planned Curriculum has been processed.
9. A second major can be completed in the College of Business or in another college of the University. However, since business students take the business core, they may not minor in the College of Business.

REQUIRED SUBJECTS

(Refer also to Index under General Education requirements.)

General Education

CBO 100; ENG 101 and 102, or 105; 0-3 hours Symbolics of Information; 9-12 hours humanities; 9-12 hours social science; 9-12 hours natural science; PHE 180; 181; HEA 281; 8 hours restricted electives to be met by MIL 101, 102, 202, or 203, and 204 or by electives to be chosen outside the student's major field of study.

Supporting Course Requirements

MAT 107 or 211 (MAT 211 also satisfies the math requirement for entry into the MBA program).

The Business Core

ACC 201, 202, ECO 220, 230, 231, 324 (See specific program requirement.), CIS 212, FIN 300, GBU 204, 504, MGT 300, MKT 300, OAD 301 or 400 (at the election of the major department).

While specific requirements for each degree are found in the appropriate departmental presentations, the Academic Orientation course, CBO 100, is common to all programs. A slight modification of the business core is made for the B.S. in Business Education (Teaching) degree.

CBO 100 Academic Orientation. (1). I. Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, Catalog details, registration and preregistration, various career opportunities, and program requirements. Not open to students with more than 30 semester hours.

Course Prerequisites. Course prerequisites, including the 60 hour rule before scheduling 300-level courses (See Index under "Course Numbering."), are necessary for the maintenance of quality teaching standards and must be observed. Failure to do so may result in the student's mandatory withdrawal from the course.

APPLICATION FOR GRADUATION

Students must file an application for graduation in the dean's office no later than April 30 for December graduation and no later than October 31 for either May or August graduation. It will be the student's own responsibility to plan and register for the proper courses to meet all graduation requirements.

GRADUATE COURSE CREDIT

Courses numbered in the 500 series are open to seniors and graduate students who meet course and program prerequisites. *Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates.* Courses numbered in the 600 series are open only to graduate students.

BACHELOR OF SCIENCE IN BUSINESS EDUCATION (TEACHER CERTIFICATION)

The Department of Business Education and Office Administration, in cooperation with the College of Education, provides programs leading to certificates qualifying graduates to teach business subjects in the high school. Students in these programs must have a grade point average of 2.5 on their entire record and (also in their required area or major) to be eligible for student teaching. Students following these programs must meet the business core requirements as noted. Students interested in business teacher certification should consult the Chair of the Department of Business Education and Office Administration.

GRADUATE PROGRAMS

The College of Business, in association with the Graduate School, offers the Master of Business Administration degree and cooperates with the College of Education in offering the Master of Arts in Education degree in business education.

MINOR IN BUSINESS

There is a minor in business for students in colleges other

than the College of Business. This minor consists of ACC 201, 202, ECO 230, 231 and six additional hours as approved by the Dean of the College of Business.

MINOR IN ECONOMICS

A minor in Economics may be taken by students enrolled in the College of Social and Behavioral Sciences pursuing a Bachelor of Arts degree. A student pursuing a Bachelor of Arts degree (teaching) may also minor in Economics. (See departmental description.)

Non-teaching secretarial and office administration minors are offered by the Department of Business Education and Office Administration (See departmental description).

MINOR IN COMPUTER INFORMATION SYSTEMS

A minor in computer information systems is offered for students in colleges other than the College of Business. (See description within the Department of Finance and Business Systems.)

Other combinations of business courses may be taken by students outside the College of Business. Such courses may then be listed on an employment application as a "concentration" of business courses but may not be designated as a "minor."

DEPARTMENT OF

ACCOUNTING

Smith, C. K., Chair; Bayes, Bokemeier, Duval, Dyer, Fenton, Griffith, Isaacs, Latham, Messmer, Moore, Reed, Seat, Van Alst, Wilson.

The Department of Accounting provides courses in principles of accounting required of all students obtaining a degree in business. In addition, it offers four programs for majors. The professional accounting program is designed to prepare graduates to enter an accounting firm with the anticipation of seeking the CPA designation. It will also prepare students to enter careers in government or industry where they might not seek the CPA designation. The health care administration program is designed to supply a present and growing need for properly prepared management personnel in the health care industry.

A listing of required courses for each program is shown elsewhere in this Catalog. It is recommended that all students carefully select their courses in consultation with their faculty advisor to improve their career effectiveness. Courses submitted toward the major must be completed with a grade of "C" or higher, and may be repeated only once with consent of department chair. At least 12 of the hours in the major must be earned at Eastern Kentucky University. No minors are available in the Department of Accounting.

The Department of Accounting participates in the Master of Business Administration program. A student with a strong accounting background may take a concentration consisting of 12 hours of graduate level accounting courses. However, ACC 500, 510, and 550 cannot be taken by students who have an undergraduate major in accounting. A detailed description of this option is presented in the Graduate Catalog.

Health Care Administration

MAJOR, BACHELOR OF BUSINESS ADMINISTRATION

Major Requirements ..... **18 hours**
ACC 300, 375, 370; ECO 570, MGT 320, OAD 280.
Business Core ..... **39 hours**
ACC 201; 202; ECO 230; 231; 324; ECO 220 or HEA 450; CIS 212; FIN 300; GBU 204; 504; MGT 300; MKT 300; OAD 301 or 400.
Supporting Course Requirements ..... **15 hours**
HEA 516; 555; MAT 107 or 211; AHN 570; ECO 530.
Internship ..... **4 hours**
General Education Requirements ..... **52 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **128 hours**

Accounting

MAJOR, BACHELOR OF BUSINESS ADMINISTRATION

Major Requirements ..... **27 hours**
ACC 301, 302, 322, 323, 327, 401, 425, 441, and either 442, 521, or 527.
Business Electives ..... **3 hours**
Business Core ..... **39 hours**
ACC 201; 202; ECO 220; 230; 231; 324; CIS 212; FIN 300; GBU 204; 504; MGT 300; MKT 300; OAD 301 or 400.
Supporting Course Requirements ..... **6 hours**
ECO 530; MAT 107 or 211.
General Education Requirements ..... **52 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **1 hour**
Total Curriculum Requirements ..... **128 hours**

Course Descriptions

ACC—ACCOUNTING

201 Principles of Accounting. (3) I, II. Formerly ACC 108. Fundamental accounting relationships; completion of the accounting cycle; accounting process for merchandising enterprises; receivables, payables and inventories; deferrals, accruals, and intangible assets.

202 Principles of Accounting. (3) I, II. Formerly ACC 109. Prerequisite: ACC 201. Accounting systems, concepts, and principles; formation, organization, and operations of partnerships and corporations; departments and branches; statement analysis; cost and manufacturing accounting.

210 Accounting for the Paralegal Profession. (3) II. Formerly ACC 110. Prerequisite: ACC 201. Selected topics of relevance of business entities; matters relating to estates and trusts; selected topics pertaining to real estate.

280 Tax Planning. (3) I. A basic course in history, concepts, and theory of the tax law. The tax effect on business decision for the individual, sole proprietorship, partnership, corporations, and fiduciaries will be emphasized.

300 Managerial Accounting. (3) I, II. Prerequisite: ACC 202 with minimum grade of "C." Accounting structure and systems; uses and interpretation of financial statements; accounting and management control; accounting in the decision-making process. May not be taken by accounting majors.

301 Principles of Accounting-Intermediate. (3) I, II. Formerly ACC 225. Prerequisite: ACC 202 with minimum grade of "C." Accounting statements; receivables; inventories; current liabilities; investments in stocks, bonds, funds.

302 Principles of Accounting-Intermediate. (3) I, II. Formerly ACC 226. Prerequisite: ACC 301 with minimum grade of "C.' Acquisition, use, and retirement of plant and equipment; depreciation, depletion, and revaluations; intangibles assets and long-term liabilities; capital stock; analysis of financial statements.

322 Income Tax I. (3) I, II. Prerequisite: ACC 202 with minimum grade of "C." Income tax legislation — federal and state; returns for individuals; gross income; basis and determination of gain or loss; capital gains and losses; dividends; deductions; withholding.

323 Income Tax II. (3) I, II. Prerequisite: ACC 322 with minimum grade of "C." Federal income tax report preparation with emphasis on partnership and corporate returns; estate and trusts; gift and estate taxes; special problems in preparation of tax returns.

327 Cost Accounting. (3) I, II. Prerequisite: ACC 202 with minimum grade of "C." Cost flows and cost systems; the cost accounting cycle; basic cost determination systems and procedures; standard costing; budgeting and decision-making applications.

ACC—Accounting

330 Taxation of Real Estate (3) I. Prerequisite: Instructor approval. A specialized course in tax and accounting problems encountered in real estate transactions and tax shelters. Student needs will determine the primary emphasis.

331 Taxation of Natural Resources. (3) II. Prerequisite: Instructor or departmental approval. Emphasis on accounting and tax problems of the oil and gas, solid mineral, timber, and other waste asset industries.

349 Cooperative Study In Accounting (1-8) A. Work, under faculty and field supervisors, in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 16, baccalaureate. Minimum 80 hours work required for each academic credit.

370 Health Agency Accounting. (3) II. Prerequisite: ACC 202. Complexities of health agency accounting including: accounting for cost, patient revenues, third party reimbursement programs, and public rate regulation procedures.

375 Seminar in Health Care Administration. (3) A. Prerequisite: ACC 300 with a minimum grade of "C." Individual and group investigation of contemporary problems, issues, and trends in selected health care facilities.

390 Internship in Accounting. (4) II. Prerequisite: "B" average and departmental approval. By Invitation only.

395 Internship. (3) I, II. To acquaint the student with the health care field and to enable the student to practice the application of managerial skills under the supervision of a selected preceptor.

401 Principles of Accounting-Advanced. (3) I, II. Formerly ACC 321. Prerequisite: ACC 302 with a minimum grade of "C." Partnerships; home office and branch relationships; corporate combinations; consolidated balance sheet; special problems with consolidated statements; foreign branches and subsidiaries.

425 Readings in Accounting. (3) I, II. Prerequisite: ACC 401 with minimum grade of "C." Readings course in accounting literature with special emphasis on publications of AICPA, FAS, AAA, SEC, and court cases involving legal liability and other areas.

430 Accounting and Financial Practices in Regulated Industries. (3) A. Cross listed as FIN 430. Prerequisites: ACC 202 and FIN 300, with a minimum grade of "C." Analysis of regulatory accounting and financial practices of regulated industries. Emphasis on requirements imposed by regulatory agencies, including ICC, FPC, PSC, and CAB.

441 Auditing I. (3) I, II. Prerequisite: ACC 302 and ECO 220 with a minimum grade of "C." Professional ethics; accountant's legal responsibility; internal control; general arrangement and procedure of an audit; asset accounts; liability accounts; operating accounts; the audit report.

442 Auditing II. (3) II. Prerequisite: ACC 441 with a minimum grade of "C." Application to accounting and auditing of internal control, statistical sampling, computer techniques, and audit reports.

490 Special Problems in Accounting. (1-6). A. May be retaken under different subtopics for a cumulative maximum of 6 hours.

500 Public School Accounting. (3) A. Study in accounting and fiscal procedures for public schools.

510 Survey of Accounting. (3) I. Prerequisite: graduate standing or departmental approval. Designed for students who have completed a non-business degree and now wish to acquire a background in accounting and/or business. Will not be counted toward the 30 hours required for the MBA.

521 Fund Accounting. (3) I. Prerequisite: ACC 202 with a minimum grade of "C." Advanced study in accounting and fiscal procedures for institutions and for federal, state, county, and municipal governments.

525 Accounting Problems. (3) II. Prerequisite: ACC 302 with a minimum grade of "C." An advanced course; the contents will be determined by the needs of the students registering for it.

527 Managerial Cost Accounting. (3) A. Prerequisite: ACC 327 with a minimum grade of "C." Advanced problems in costs, budgets, distribution costs, measurements of departmental efficiency, and analysis of cost information for managerial decisions.

540 CPA Law. (3) I, II. Prerequisite: Strong accounting background and instructor approval. Law as it relates to the accounting profession. Cases used from previous examinations given by the AICPA. Emphasis on short cuts and suggestions for time-saving on the examination.

550 Accounting for Non-Profit Organization. (3) II. General theory of budget implementation, and reporting as well as internal control and other significant areas for not-for-profit organizations.

GRADUATE COURSES

600 Managerial Accounting. (3) II.
625 Advanced Auditing. (3) II.
627 Research In Taxes. (3) I.
628 Accounting Theory. (3) II.
640 Seminar in Accounting. (3) A.
690 Special Problems in Accounting. (1-6) A.
698-699 Thesis. (6) A.

DEPARTMENT OF

BUSINESS ADMINISTRATION

Hilton, C. L., Chair; P. Brewer, Hale, Hibbard, Hungarland, King, D. Lockhart, K. Lockhart, McMaine, Meadows, Ray, Royalty, Thompson, Walter.

The Department of Business Administration offers courses in coal mining administration, general business, management, marketing, and transportation and physical distribution leading to the Bachelor of Business Administration degree.

The Department of Business Administration participates in the Master of Business Administration program. A student may select an option in management or marketing. A detailed description of this program is presented in the Graduate Catalog.

COAL MINING ADMINISTRATION

The Bachelor of Business Administration degree in coal mining administration provides the graduate with the skills necessary to meet the expanding demands for administrative personnel in the coal industry. Graduates will possess basic administrative/management/business skills plus an understanding of the industry's fundamental administrative and technical problems related to underground and surface mining methods, reclamation, conservation, occupational health and safety, labor relations, and mining management.

The Coal Mining Administration major consists of 31 hours of courses above the business core. All work for the major must be completed with a grade of "C" or higher. At least 12 (not including CMA 349) of the 31 hours must be earned at Eastern Kentucky University.

Coal Mining Administration

MAJOR, BACHELOR OF BUSINESS ADMINISTRATION

Major Requirements ..... 31 hours
ACC 331, CMA 100, 110, 200, 210, 349 (6 hours), 405, 410, MGT 320, 324.

Business Core ..... 39 hours
ACC 201; 202; ECO 220; 230; 231; and 3 hours to be selected from ECO 300, 324, 350, 351, 394, and 492; CIS 212; FIN 300; GBU 204; 504; MGT 300; MKT 300; OAD 301 or 400.

Supporting Course Requirements ..... 12 hours
BIO 161 or GSC 262; GLY 108 or 210; MAT 107 or 211; MGT 340.

General Education Requirements ..... 46 hours
Standard General Education program, excluding course category 03, 13, and 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... 128 hours

Course Descriptions

CMA—Coal Mining Administration

100 Introduction to Coal Mining Administration. (1) I, II. The coal mining industry and its impact on society. Examination, development, and recovery of mineral deposits; unit operations; cycling; equipment; mining methods. Health and safety factors.

110 Underground and Surface Mining. (3) II. Prerequisite: CMA 100 or instructor approval. Elements of mine layout; pre-mine planning; geologic and engineering hazards; production and preparation methods. Analysis of coal mining systems; integration of unit operations and mining methods for efficient production.

200 Reclamation and Conservation of Mined Lands. (3) I. Prerequisite: CMA 110 or instructor approval. Reclaiming coal fields; ecological principles/techniques in revegetation; drainage, erosion, and water quality control; conservation of aquatic and terrestrial wildlife and their habitats; use planning in reclamation.

210 Mine Safety Training. (3) II. Safe mining techniques and first aid; awareness of mining dangers; development of safe mining habits. Completion satisfies Kentucky mine safety training requirement. May not be counted as business elective.

349 Cooperative Study in Coal Mining Administration. (1-8) A. Work, under faculty and field supervisors, in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 16, baccalaureate. Minimum 80 hours work required for each academic credit.

405 Mineral Law. (3) II. Prerequisite: CMA 200 or instructor approval. Legal environment of mining with emphasis on new federal and state regulations for extraction, reclamation, black lung benefits, and permitting; mineral contracts, leases, and mineral rights will be extensively explored.

410 Mine Systems Analysis. (3) II. Prerequisite: CMA 200 and MGT 340. A quantitative methods course with applications relating to the mining industry. Emphasis on productivity and performance standards.

590 Special Problems in Coal Mining Administration. (1-4) A. Prerequisite: CMA 200 and advisor/departmental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Independent work, special workshop, special topics, or seminars.

GRADUATE COURSES

690 Independent Study in Coal Mining Administration. (1-4) A.

GENERAL BUSINESS

The Bachelor of Business Administration degree in general business is designed to provide the student with a broad overview of the basic functions of business administration. Graduates are qualified to fill general administrative positions in business or to operate small businesses.

The general business major consists of 18 hours above the business core. All courses submitted toward the major must be completed with a grade of "C" or higher. At least 12 of the hours in the major must be earned at Eastern Kentucky University.

General Business

MAJOR, BACHELOR OF BUSINESS ADMINISTRATION

Major Requirements ..... 18 hours
6 hours FIN; 6 hours MGT; 6 hours MKT; all above the business core and approved by advisor.

Business Electives ..... 9 hours
Suggested electives include ACC 300, ECO 300, EDP 475, INS 370, RST 310, TPD 315.

Business Core ..... 39 hours
ACC 201; 202; ECO 220; 230; 231, and 3 hours selected from ECO 300, 324, 350, 351, 394, or 492; CIS 212; FIN 300; GBU 204; 504; MGT 300; MKT 300; OAD 301 or 400.

Supporting Course Requirement ..... 6 hours
MAT 107 or 211; MGT 340.

General Education Requirements ..... 52 hours
Standard General education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 4 hours

Total Curriculum Requirements ..... 128 hours

Course Descriptions

GBU—General Business

204 Legal Environment of Business. (3) I, II. Law and the legal system; social forces that make the law; business response to the social and legal environment. Focus on governmental regulation and federal regulatory agencies which impact business decision-making.

210 Business Law I. (3) I, II. Formerly GBU 300 and GBU 301. Sources of law and the operation of the legal system as it impacts on business; torts, contracts, business organizations, and real and personal property.

211 Business Law II. (3) I, II. Formerly GBU 302. Prerequisite: GBU 204 or GBU 210. Legal principles and cases dealing with sales of personal property, commercial paper, and secured transactions. Government regulation of trade as expressed in the Sherman, Clayton, and Robinson-Patman Acts.

349 Cooperative Study in General Business. (1-8) A. Work, under faculty and field supervisors, in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 16, baccalaureate. Minimum 80 hours work required for each academic credit. Does not count toward major.

350 Seminar in Business. (1-3) A. A carefully selected topic of special and contemporary interest to business students. May be retaken under different subtitles for a cumulative maximum of 9 hours.

352 Women in Administration. (3) A. Fundamental information on equal opportunity laws, how to implement the laws, and problems and trends in incorporating women into the work force. Does not count toward major.

360 Business Internship. (2-4) A. Prerequisites: GPA of 2.0 and departmental approval. Practical experiences of the type appropriate for the student's major.

504 Administrative Policy. (3) I, II. Formerly MGT 504. Prerequisite: student has completed or is concurrently completing business core. A study of administrative processes under conditions of uncertainty including integrative analysis and formulation of strategy and supporting policy at administrative/executive levels.

549 Business Consulting Practicum. (3) A. Prerequisites: senior or graduate standing and instructor approval. Students work under faculty supervision in a consulting role with business firms, identifying problems, recommending corrective action, and implementing new procedures.

GRADUATE COURSES

615 Business Policy. (3) II.

MANAGEMENT

The primary objective of the Bachelor of Business Administration degree in management is to extend the business core concepts to the management of various types of profit and non-profit organizations. This objective is further construed to act as an integrating mechanism for the various business functions and to equip the student with the necessary conceptual tools for the identification, analysis and solution of business problems. Within the management major, the student may select one of three areas of emphasis, with objectives as follows.

Emphasis One: Administrative Management:
To develop general administrative skills required for careers in general management, general administration, small business mnagement, and administrative staff and supervisory positions.

Emphasis Two: Industrial Relations:
To develop skills required for careers in personnel administration, labor relations, collective bargaining, wage and salary administration, employee benefit planning, training, safety, and human resource management.

Emphasis Three: Operations Management:
To develop decision-making skills required for careers in production management, production control, quality control, inventory control, purchasing, and operations research.

All courses submitted toward the major must be completed with a grade of "C" or higher. At least 12 of the hours in the major must be earned at Eastern Kentucky University.

Management

MAJOR, BACHELOR OF BUSINESS ADMINISTRATION

Major Requirements ..... **18 hours**
Emphasis One: Administrative Management: MGT 310, 320, 340, 400, 500, plus 3 hours to be determined with advisor approval.
Emphasis Two: Industrial Relations: INS 376, MGT 320, 324, 340, 425, 500.
Emphasis Three: Operations Management: MGT 310, 320, 340, 406, 500, plus 3 hours to be determined by advisor.

Business Electives ..... **9 hours**
Business Core ..... **39 hours**
ACC 201; 202; ECO 220, 230, 231, and 3 hours to be selected from ECO 300, 324, 350, 351, 394, and 492; CIS 212; FIN 300; GBU 204; 504; MGT 300; MKT 300; OAD 301 or 400.
Supporting Course Requirements ..... **3 hours**
MAT 107 or 211.
General Education Requirements ..... **52 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **7 hours**
Total Curriculum Requirements ..... **128 hours**

Course Descriptions

MGT—Management

300 Principles of Management. (3) I, II. Formerly MGT 200. Management principles with emphasis on organization theory, human relations, interpersonal communications, production, business ethics, and the development of management thought.

310 Operations Management. (3) I, II. Prerequisite: MGT 300 and ECO 220. Production and operations functions in both manufacturing and non-manufacturing organizations; systems concept; facilities location and layout; human factors; forecasting; production planning/control; inventory control; work measurement.

320 Personnel Administration. (3) I, II. Prerequisite: MGT 300 or departmental approval. Principles, practices, and techniques in development of personnel programs. Job analysis, description, and classification; personnel selection, evaluation, development, and training; compensations, benefits, and pensions; relations with government and unions.

324 Collective Bargaining. (3) I, II. Prerequisite: MGT 320. Bargaining procedures; basic institutional issues in bargaining, economically related administrative clauses, strike and lockout tactics and contract administration; preparation, negotiation, and interpretation of labor contracts.

330 Small Business Management. (3) I, II. Formerly MGT 410. Prerequisite: instructor approval. Small business organization, location, financial planning, records, unit costs, merchandising, credit, and personnel policies.

***340 Managerial Decision Theory. (3) I, II.** Prerequisite: ECO 220. Theory and application of quantitative techniques utilized in business decision making; emphasis on problem formulation and modeling, linear programming, queueing theory, statistical analysis, and simulation.
*Credit received for only one of the following: ECO 530, CIS 390, MGT 340.

349 Cooperative Study in Management. (1-8) A. Work, under faculty and field supervisors, in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 16, baccalaureate. Minimum 80 hours work required for each academic credit.

400 Organization Theory. (3) I. Prerequisite: MGT 300. Emphasis upon the evolution of organization concepts and applications to modern organizations; problems of organization design, structure, and control.

406 Managerial Systems Analysis. (3) I. Formerly MGT 306. Prerequisite: MGT 310 and 340. Introduction to concepts of selection, installation, operation, maintenance, and control of management systems.

420 Human Relations Development. (3) I. Prerequisite: MGT 320 or instructor approval. An overview of planning, organizing, directing, and controlling the development of human resources within an organization.

425. Compensation Management. (3) II. Prerequisite: MGT 320. Review of the assignment of monetary value to each position; nonmonetary rewards; monetary rewards; employee benefit programs; the relationship between compensation and performance.

500 Administrative Behavior. (3) I, II. Prerequisite: MGT 300. Selected concepts from the behavioral sciences relevant to business decision-making. Applies social science research to individual and group decision-making.

510 Survey of Management and Production. (3) I. Survey of management and production principles and of organization behavior theory. Part of common body of knowledge for the MBA program. Credit not granted for both MGT 510 and MGT 300.

550 Management Seminar. (3) A. May be retaken under different subtopics for a cumulative maximum of 9 hours. Selected topics in contemporary management literature.

590 Special Problems in Management. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Independent work, special workshop, special topics, or seminars.

GRADUATE COURSES

600 Administrative Analysis in Organizations. (3) I.
620 Advanced Management Concepts. (3) II.
690 Independent Study in Management. (1-4) A.
698-699 Thesis. (6) A.

MARKETING

The Bachelor of Business Administration degree in marketing is designed to prepare the student for a career in the field of marketing by developing decision-making skills in the marketing functions of buying, selling, advertising, promotion, marketing research, pricing, retailing, sales force management, packaging, and distribution. Within the marketing major, the student may select one of three areas of emphasis, with specific objectives as follows:

Emphasis One: Marketing Management:
To develop decision-making skills required for careers in general marketing management for various types and sizes of organizations.
Emphasis Two: Advertising Management:
To develop the skills required for careers in advertising, advertising copy production, and promotion.
Emphasis Three: Retailing Management:
To develop the decision-making skills for careers in retail store management.

All courses submitted for the major must be completed with a grade of "C" or higher. At least 12 hours of the major must be earned at Eastern Kentucky University.

Marketing

MAJOR, BACHELOR OF BUSINESS ADMINISTRATION

Major Requirements ..... **18 hours**
Emphasis One: Marketing Management: MKT 500, 504, and 12 additional hours of MKT above the business core. In addition to marketing courses, ECO 394 may be counted toward the marketing management emphasis.
Emphasis Two: Advertising Management: MKT 320, 324 (or COM 325), 426, 450, 500, and three additional hours of MKT above the business core.
Emphasis Three: Retailing Management: MKT 304, 310, 320, 450, 500, 504.

Business Electives ..... **9 hours**
Business Core ..... **39 hours**
ACC 201; 202; ECO 220; 230, 231; and 3 hours to be selected from ECO 300, 324, 350, 351, 394, and 492; CIS 212; FIN 300; GBU 204; 504; MGT 300; MKT 300; OAD 301 or 400.
Supporting Course Requirements ..... **6 hours**
MAT 107 or 211; MGT 340.
General Education Requirements ..... **52 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **4 hours**
Total Curriculum Requirements ..... **128 hours**

Course Descriptions

MKT—Marketing

300 Marketing. (3) I, II. An introduction to the marketing of goods and services in advanced market economies; study of the marketing mix, pricing, distribution, selling, promotional activities, consumer behavior, and marketing research.

304 Retailing. (3) I, II. Operational problems in retail organizations; location, layout, buying, selling, sales promotion, service, and merchandise handling.

310 Personal Selling. (3) I, II. Former title: Salesmanship. Personal selling in marketing; the selling process, stressing the modern, international sales/marketing approach to customer-society oriented problem solving.

315 Physical Distribution Management. (3) II. Cross listed as TPD 315. Movement and storage of goods; coordination and control of inventory, customer service, packaging, materials handling, facility location, flow of information, and transportation.

320 Advertising. (3) I, II. Prerequisite: MKT 300. How advertising is organized; economic and social aspects; advertising research; basic media strategy; consumer behavior; using the media effectively; legal and other restraints; careers in advertising.

324 Advertising Copy and Layout. (3) A. Prerequisite: MKT 320. Writing advertising copy for the various media and the study of the art principles utilized in preparing advertising layouts. No art training is required.

349 Cooperative Study In Marketing. (1-8) A. Work, under faculty and field supervisors, in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 16, baccalaureate. Minimum 80 hours work required for each academic credit. Does not count toward major.

400 International Marketing. (3) I. Prerequisite: MKT 300. Determination of marketing strategy by United States firms and multinational corporations for serving foreign markets and for adapting to variations in cultural and economic factors affecting foreign marketing efforts.

408 Sales Management. (3) I, II. Prerequisite: MKT 310. Sales function in modern organizations with emphasis on current management techniques: time management, on-the-job coaching, directing the sales force to sell key accounts, situational analysis, and decision-making.

426 Advertising Campaigns. (3) II. Prerequisite: MKT 324. Actual planning and execution of a complete advertising campaign, including budgeting, media scheduling, copy and script writing, layout work, taping of radio and television commercials, and presentation of campaign to client (instructor).

440 Industrial Marketing. (3) A. Prerequisite: MKT 300. An analysis of the marketing structure for industrial products. Product lines, channels of distribution, selling, pricing, and wholesaling problems.

450 Consumer Behavior in Marketing. (3) I, II. Former title: Marketing Environment. Prerequisite: MKT 300. Role of consumer decision-making as it affects the marketing firm; basic concepts of consumer behavior and interrelationships that exist between marketing and the behavioral sciences.

500 Marketing Research and Analysis. (3) I. Prerequisite: MKT 300 and ECO 220. The role of research in marketing decision-making; the research process, with emphasis on collection, analysis, and interpretation of data as applied to solving marketing problems. Students are required to do a research project.

504 Marketing Management. (3) II. Prerequisite: MKT 300 or departmental approval. The strategic marketing planning process involving analysis of the changing market place; analysis of alternative strategies to meet the needs of target markets; and the profitable execution of the marketing plan.

590 Special Problems in Marketing. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Independent work, special workshop, special topics, or seminars.

GRADUATE COURSES

600 Marketing Problems. (3) I.
690 Independent Study in Marketing. (1-4) A.
698-699 Thesis. (6) A.

TRANSPORTATION AND PHYSICAL DISTRIBUTION MANAGEMENT

The Bachelor of Business Administration Degree in Transportation and Physical Distribution is designed to attain the following objectives: (1) develop an awareness and understanding of the theories, techniques, and problems associated with moving people and goods from the viewpoint of industrial shippers, transportation carriers, and the government; (2) develop an awareness of the functional relationships of transportation and distribution management to other business functions, to the total system of the firm, and to the nation's economy; (3) provide a learning experience which combines the theoretical framework of the classroom and the applied laboratory of the business environment; and (4) provide students with the knowledge and skills needed for successful careers in transportation, carrier management, traffic management, physical distribution, and government regulation of transportation.

The transportation and physical distribution major consists of 18 hours above the business core. All courses submitted for the major must be completed with a grade of "C" or better. At least 12 hours in the major must be earned at Eastern Kentucky University.

Transportation and Physical Distribution Management

MAJOR, BACHELOR OF BUSINESS ADMINISTRATION

Major Requirements ..... 18 hours
TPD 315, 330, 430, 450 plus 6 hours to be determined with advisor.
Business Electives ..... 6 hours
Business Core ..... 39 hours
ACC 201; 202; ECO 220; 230; 231; and 3 hours to be selected from ECO 300, 324, 350, 351, 394, and 492; CIS 212; FIN 300; GBU 204; 504; MGT 300; MKT 300; OAD 301 or 400.
Supporting Course Requirements ..... 6 hours
MAT 107 or 211; MGT 340.
General Education Requirements ..... 52 hours
Standard General Education program excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... 7 hours
Total Curriculum Requirements ..... 128 hours

Course Descriptions

TPD-Transportation and Physical Distribution

315 Physical Distribution Management. (3) II. Cross listed as MKT 315. Movement and storage of goods, coordination and control of inventory, customer service, packaging, materials handling, facility location, flow of information, and transportation.

330 Principles of Transportation. (3) I. Prerequisite: ECO 230. Various forms of transportation and institutional factors influencing transportation decisions. Regulations, public policy, rate making, services, and the interaction of transportation with other elements of business.

349 Cooperative Study in Transportation and Physical Distribution. (1-8) A. Work, under faculty and field supervisors, in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 16, baccalaureate. Minimum 80 hours work required for each academic credit. Does not count toward major.

430 Traffic Management. (3) II. Prerequisite: TPD 330. Industrial and carrier functions relating to buying/selling transportation services; responsibilities of both carriers and shippers; pricing of services; legal duties; sources of information and tools available for solving transportation problems.

450 Transportation Law and Regulation. (3) I. Prerequisite: TPD 330. Federal and state laws and regulations affecting the transportation industry and industrial traffic management; Interstate Commerce Act and Federal Aviation Act; practice and procedures of the ICC and CAB.

590 Special Problems in Transportation and Physical Distribution. (1-6) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Independent work, special workshops, special topics, or seminars related to transportation/physical distribution.

GRADUATE COURSES

690 Independent Study in Transportation and Physical Distribution. (1-4) A.

DEPARTMENT OF

BUSINESS EDUCATION AND OFFICE ADMINISTRATION

Patrick, A., Chair; Adkins, Davis, Gump, Hogg, Jennings, Jones, LaRosa, Vice, Wilson.

The Department of Business Education and Office Administration has dual purposes: to prepare qualified, certified teachers in business, and to prepare skilled, professional office personnel. A student may major in a four-year program in business education or office administration or in a two-year program in administrative office services, executive secretary, legal secretary, or medical secretary. Non-teaching minors are also offered.

BUSINESS EDUCATION

The Department, in cooperation with the College of Education, provides programs leading to a Bachelor of Science degree and certificates qualifying graduates to teach business education at the secondary level. Students may complete a teaching major in basic business or in secretarial studies. Students who desire to qualify as teachers for federally reimbursed vocational business education programs complete one of these majors; however, they must also have the equivalent of a year (2,000 hours) of appropriate office work experience.

In order to be admitted to a business teacher education program, students must have a 2.25 grade point average on their entire record and also in their teaching field or fields. However, to be eligible for student teaching, a grade point average of 2.5 is required for the students' entire record and in their teaching field or fields.

Business Education

GENERAL BUSINESS OPTION, BACHELOR OF SCIENCE

Major Requirements ..... 49 hours
ACC 201, 202, ECO 220, 230, 231, 324, GBU 204, 504, FIN 300, MGT 300, MKT 300, OAD 152, 240, 253, 254, 260, 301.
Supporting Course Requirements ..... 32 hours
CIS 212, EDF 102, 202, 317, EPY 318, ESE 470, 471, 498, 499.
General Education Requirements..... 46 hours
Standard General Education program, excluding course categories 03, 09, and 12. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... 1 hour
Total Curriculum Requirements ..... 128 hours

Business Education

SECRETARIAL STUDIES OPTION, BACHELOR OF SCIENCE

Major Requirements ..... 59 hours
ACC 201, 202, ECO 220, 230, 231, 324, GBU 204, 504, FIN 300, MGT 300, MKT 300, OAD 110 or 112, 116, 152, 202, 240, 253, 254, 260, 301, 303.
Supporting Course Requirements ..... 32 hours
CIS 212, EDF 102, 202, 317, EPY 318, ESE 470, 472, 498, 499.
General Education Requirements..... 55 hours
Standard General Education program, excluding course categories 03, 09, and 12. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... 137* hours

*By also taking ESE 471 (2 hours), students completing this major would be certified to teach all secondary business courses except advanced data processing.

GRADUATE PROGRAM

Students may earn the Master of Arts in Education degree with an option in business education. For information concerning this degree program, refer to the College of Education section of the Catalog.

OFFICE ADMINISTRATION

As part of its undergraduate program, the Department offers a variety of options for the preparation of office personnel.

OFFICE ADMINISTRATION MINOR

A non-teaching office administration minor consists of the following courses (19 hours): OAD 152, 240, 253, 260, 290, 301, 303 or 560. This minor is offered for students who want to develop office skills without shorthand proficiency.

SECRETARIAL MINOR

A non-teaching secretarial minor consists of the following courses (19 hours): OAD 116, 152, 202, 253, 260, 301, 303. This minor is offered for students who want to develop office skills, including proficiency in shorthand.

BACHELOR OF BUSINESS ADMINISTRATION DEGREE

The Bachelor of Business Administration degree is offered for students who want to complete a four-year office administration program without teaching certification. The program is designed to prepare highly qualified office personnel for responsible positions in business, industry, and government as executive secretaries, administrative assistants, and managers.

All work toward the major in Office Administration must be completed with a grade of "C" or higher. At least 12 of the hours in the major must be earned at Eastern Kentucky University.

Office Administration

MAJOR, BACHELOR OF BUSINESS ADMINISTRATION

Major Requirements ..... 19 hours
OAD 116, 152, 202, 253, 260, 303, 560
Business Electives ..... 6 hours
Business Core Requirements ..... 39 hours
ACC 201, 202, CIS 212, ECO 220, 230, 231, 324, FIN 300, GBU 204, 504, MGT 300, MKT 300, OAD 301 or 400.
Supporting Course Requirements ..... 6 hours
MAT 107 or 211, CIS 390 or ECO 530 or MGT 340.
General Education Requirements..... 52 hours
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... 6 hours
Total Curriculum Requirements ..... 128 hours

Administrative Office Services

ASSOCIATE OF ARTS

Major Requirements ..... 27-29 hours
OAD 101, 152*, 240, 253, 254, 260, 280, 290, 301, and 349 or 360

or business elective.
Business Elective ..... **3 hours**
Supporting Course Requirements ..... **21 hours**
ACC 201, 202, CIS 212, ECO 230, 231, GBU 204, SPE 200.
General Education Requirements..... **14 hours**
CBO 100; ENG 101 and 102, or 105; 3 hours Areas II, IV, or V; 4 hours restricted electives outside major field of study.
Total Curriculum Requirements..... **65-67 hours**

*If students do not have typewriting background adequate to enter OAD 152, they must take OAD 151 in addition to the program specified above.

Executive Secretary

ASSOCIATE OF ARTS

Major Requirements ..... **37 hours**
OAD 101, 115*, 116, 152, 202, 240, 253, 254, 260, 280, 290, 301, 303.
Supporting Course Requirements ..... **12 hours**
ACC 201, CIS 212, ECO 230, SPE 200.
General Education Requirements..... **17 hours**
CBO 100; ENG 101 and 102, or 105; 3 hours Area III; 3 hours Areas II, IV, or V; 4 hours restricted electives outside major field of study.
Total Curriculum Requirements ..... **66 hours**

*Students who have adequate background in shorthand to enter OAD 116 instead of OAD 115 may do so; they will complete an approved elective instead of OAD 115.

Legal Secretary

ASSOCIATE OF ARTS

Major Requirements ..... **34 hours**
OAD 115*, 116, 152, 202, 210, 240, 253, 260, 290, 301, 303, 320.
Supporting Course Requirements ..... **18 hours**
ACC 201, CIS 212, ECO 230, GBU 204, 210, SPE 200.
General Education Requirements..... **14 hours**
CBO 100; ENG 101 and 102, or 105; 3 hours Areas II, IV, or V; 4 hours restricted electives outside major field of study.
Total Curriculum Requirements ..... **66 hours**

*Students who have adequate background in shorthand to enter OAD 116 instead of OAD 115 may do so; they will complete an approved elective instead of OAD 115.

Medical Secretary

ASSOCIATE OF ARTS

Major Requirements ..... **28 hours**
OAD 116*, 152, 202, 240, 253, 254, 260, 290, 301, 303.
Supporting Course Requirements ..... **24 hours**
ACC 201, AHN 200, BIO 171, CIS 212, ECO 230, MAS 100, 232, SPE 200.
General Education Requirements..... **11 hours**
CBO 100; ENG 101 and 102, or 105; 4 hours restricted electives outside major field of study.
Elective..... **1 hour**
Total Curriculum Requirements ..... **64 hours**

*Students who do not have adequate background in shorthand to enter OAD 116 must also complete OAD 115.

Course Descriptions

OAD—Office Administration

101 Introduction to Business. (3) I, II. A survey of the functional areas of business administration. For the student who has no background in business.

110 Century 21 Shorthand Theory. (1) A. Prerequisite: OAD 202. Century 21 shorthand theory. Four hours in class each week during the first 5 weeks of the semester. Credit may not be counted for both OAD 110 and 115.

112 Gregg Shorthand Theory. (1) A. Prerequisite: previous shorthand study. Gregg shorthand theory. Four hours in class each week during the second five weeks of the semester. Credit may not be counted for both OAD 112 and 110.

114 Shorthand Theory and Dictation Review. (1) A. Prerequisites: typewriting skill and previous study in Gregg shorthand. Gregg shorthand theory with emphasis on writing from dictation and transcribing. Four hours in class each week, beginning the 11th week of the semester. Credit may not be counted for both OAD 114 and 115.

115 Beginning Shorthand. (3) I, II. Prerequisite: OAD 151. Principles of shorthand; dictation and transcription. Four hours in class each week.

116 Intermediate Shorthand. (3) I, II. Prerequisites: OAD 115 and 152. A continuation of OAD 115, with increased emphasis on dictation and transcription, including the production of mailable business correspondence. Four hours in class each week.

151 Beginning Typewriting. (2) I, II. Techniques in keyboard control; skill building practice; personal and business letters; tables; term papers. Four hours in class each week.

152 Intermediate Typewriting. (2) I, II. Prerequisite: OAD 151. Continued emphasis on speed and accuracy building; increased emphasis on business forms, letters, manuscripts, reports, and tables. Four hours in class each week.

202 Dictation and Transcription. (3) I, II. Prerequisites: OAD 116 and 152. Continuation of shorthand vocabulary development; improvement of ability to take dictation and transcribe mailable copy; emphasis on development of skill necessary to meet occupational standards. Four hours in class each week.

210 Legal Terminology, Dictation, and Transcription. (3) I. Prerequisites: OAD 116 and 152. Instruction in legal terminology and application of the terminology in shorthand dictation and transcription.

240 Information Management. (3) I. Formerly OAD 540, OAD 340. Creation, classification, retention, protection, and disposal of records; filing systems, procedures, and equipment; effects of technology on information management; facilities layout; records personnel administration; records control.

253 Advanced Typewriting. (2) I, II. Prerequisite: OAD 152. Increased emphasis on realistic office typewriting applications requiring planning and decision making.

254 Business and Office Calculations. (3) I, II. Formerly OAD 354. Development of competency in business computations such as bank and sales records, discounts, commissions, markups, credit charges, payroll, taxes, depreciation, insurance, stocks, bonds, interest, and present value.

260 Office Services. (3) I, II. Prerequisite: OAD 152. Development of proficiency in the office services of machine transcription and reprographics.

280 Office Procedures and Administration. (3) A. Procedures, technologies, human relations, and services of modern, dynamic offices.

290 Introduction to Information Processing. (3) II. Prerequisite: OAD 152. Information-processing concepts, terminology, and equipment; applications in proofreading and communication skills as they relate to information processing.

301 Business Communications. (3) I, II. Prerequisite: ENG 101, 102. Principles and practices of modern written business communications; various types of business letters and reports are studied; emphasis is on writing letters and reports.

303 Secretarial Practice. (3) I, II. Prerequisite: OAD 152. Development of skills for secretarial competency and efficiency; experience in types of specialized secretarial duties performed by professional secretaries.

320 Legal Office Practice. (3) II. Prerequisites: OAD 202, 210, 253, 303, GBU 204. Development of competencies needed by secretaries in legal offices.

330 Medical Office Practice. (3) A. Prerequisites: BIO 171; OAD 202, 253, 303, AHN 201. Development of competencies needed by secretaries in medical offices.

349 Cooperative Study in Office Administration. (1-8) A. Work, under faculty and field supervisors, in placements related to academic studies. One to 8 hours per semester or summer. Total hours: 8, associate; 16, baccalaureate. Minimum 80 hours work required for each academic credit.

360 Office Internship. (2-4) A. Prerequisite: GPA of 2.0, OAD 253, and departmental approval. Experiences in office appropriate for the student's major. Enrollment is limited to students majoring in the Department of Business Education and Office Administration.

400 Business Report Writing. (3) A. Basic instruction in formal research reports; principles and practices of report writing; planning and outlining reports; methods of securing, organizing, analyzing, and interpreting data.

560 Office Management. (3) A. Function and organization of offices; office layout and equipment; personnel; work simplification and control; technology in the office; planning, organizing, and controlling office services; systems and jobs analysis.

580 Special Problems in Office Administration. (1-4) A. May be retaken under different subtopics for a cumulative maximum of 6 hours.

GRADUATE COURSES

600 Business Research and Report Writing. (3) I.

680 Independent Study in Office Administration. (1-4) A.

DEPARTMENT OF
ECONOMICS

Shadoan, D., Chair; Baldwin, Barrett, Brizendine, Cain, Engle, Karns, Morrow, Sharp, Vaughan, Webster, Wright, Wuilleumier.

The curriculum in economics is designed to increase the student's understanding of economic principles and to prepare the student for employment in the fields of business, banking, and government. Also, the program is designed to give the student an adequate background for graduate study.

A student may major in economics while pursuing the following degrees: (1) Bachelor of Arts degree in the College of Social and Behavioral Sciences; (2) Bachelor of Arts degree (Teaching); and (3) Bachelor of Business Administration degree in the College of Business. A minor in economics is available to students pursuing a: (1) Bachelor of Arts degree in the College of Social and Behavioral Sciences, or (2) Bachelor of Arts degree (Teaching).

The Department of Economics participates in the Master of Business Administration program. A student enrolled in this program may take an option consisting of 12 hours of graduate level economics courses. In addition, the student is required to take ECO 604. All economics courses counting toward a concentration in economics must be selected in consultation with the student's advisor. A detailed description of this program is presented in the Graduate Catalog.

At least 12 of the hours in the major must be earned at Eastern Kentucky University. Students pursuing the Bachelor of Business Administration degree must make a grade of "C," or higher, in all courses counted toward a major in economics.

Requirements for the various undergraduate programs are listed below.

Economics

MAJOR, BACHELOR OF BUSINESS ADMINISTRATION

Major Requirements . . . . . 18 hours
ECO 350, 351, 530, plus 9 additional hours of approved upper division courses in economics.
Business Electives. . . . . 9-12 hours
Business Core Requirements . . . . . 39 hours
ACC 201; 202; ECO 220; 230; 231; plus 3 hours selected from ECO 300, 324, 350, 351, 394, or 492; CIS 212; FIN 300; GBU 204; 504; MGT 300; MKT 300; OAD 301 or 400.
Supporting Course Requirements . . . . . 3 hours
MAT 107 or 211.
General Education Requirements. . . . . 52 hours
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives. . . . . 4-7 hours
Total Curriculum Requirements . . . . . 128 hours

MAJOR, BACHELOR OF ARTS

In cooperation with the Department of Economics, the College of Social and Behavioral Sciences offers the Bachelor of Arts in economics. Course offerings are listed in the Department of Economics, under the College of Business section of this Catalog. The degree requirements for the B.A. in economics are listed below.

Major Requirements . . . . . 30 hours
ECO 230, 231, 324, 350, 351, 530, plus 12 additional hours of upper division courses in economics.
Supporting Course Requirements . . . . . 18-36 hours
These requirements will be determined by consultation between the Chair of the Department of Economics and the Dean of the College of Social and Behavioral Sciences.
General Education Requirements. . . . . 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives . . . . . 7 to 25 hours
Total Curriculum Requirements . . . . . 128 hours

ECONOMICS MINOR

A minor in economics requires completion of the following courses: ECO 230, 231, 324, 350, 351, plus 3 additional hours of upper division courses in economics . . . . . 18 hours

MAJOR, BACHELOR OF ARTS (TEACHING)

In cooperation with the Department of Economics, the College of Social and Behavioral Sciences offers the Bachelor of Arts in economics (teaching). This major must be taken in conjunction with an approved major or minor.

The supporting major or minor must be approved by the Dean of the College of Social and Behavioral Sciences, the Department of Economics, and the Department of Curriculum and Instruction.

Major Requirements . . . . . 30 hours
ECO 230, 231, 324, 350, 351, 530, plus 12 additional hours of upper division courses in economics.
Supporting Course Requirements . . . . . 49-58 hours
A major or minor approved by the Dean of the College of Social and Behavioral Sciences and the Chair of the Department of Economics, plus EDF 102, 202, 317, EPY 318, ESE 449, 498, 499.
General Education Requirements. . . . . 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements. . . . . 134-143 hours

ECONOMICS MINOR (TEACHING)

A minor in economics (teaching) requires completion of the following courses: ECO 230, 231, 324, plus 12 additional hours selected from the following: ECO 304, 333, 350, 351, 360, 432, 492. Other additional upper division courses may be approved by the department. The minor must be taken in conjunction with an approved teaching major.

Course Descriptions

ECO—Economics

110 American Economic History. (3) A. Historical description of trends and events from the European background of Colonial America to the present time. Emphasis upon modern interpretations of economic growth and governmental actions. Does not count toward the economics major.

120 Economics in a World Setting; Principles. (3) I, II. A General Education economics course dealing with economic principles and theories in a world setting. Emphasis on understanding the role of the economic environment. Does not count toward the economics major.

130 Contemporary Economic Problems. (3) I, II. A general education economics course dealing with such contemporary economic problems as scarcity, urban crises, population, unemployment and inflation, government spending, energy, and others. Does not count toward the economics major.

220 Statistical Methods. (3) I, II. Formerly ECO 391. Prerequisite: MAT 107. Topics considered are: frequency distributions; measures of location; measures of variation, probability; sampling; estimation; test of hypotheses; linear regression; index numbers; and time series analysis.

230 Principles of Economics I. (3) I, II. Microeconomics principles and their application to the firm. Concepts of demand, supply, pricing, and resource allocation under various competitive conditions.

231 Principles of Economics II. (3) I, II. Macroeconomics principles, such as national income, production, employment, the money and banking system, the modern theory of national income, economic growth, inflation, and the problems of economic stabilization.

240 Introduction to the Business of Thoroughbred Racing. (3) A. A survey course emphasizing the business aspects of thoroughbred horse-related industries. History of the thoroughbred and racing, economics of breeding and racing, characteristics of thoroughbred industries, taxes, publications, and issues.

300 Managerial Economics. (3) I. Prerequisite: ECO 230. Economic concepts that are directly applicable to business decision making including cost and production, profits, demand and pricing, capital budgeting and investment, and forecasting.

304 Private Enterprise and Public Policy. (3) A. Formerly ECO 597. Prerequisite: ECO 230 and 231. Development of the historical relationships between private enterprise and society. Discussion and application of major theoretical tools available to analyze issues of business and society.

320 Statistical Methods II. (3) II. Prerequisite: ECO 220. Sampling; probability; time series analysis; index numbers; simple linear regression; correlation; the chi-square distribution; analysis of variance; multiple regression and correlation; Bayesian inference; non-parametric statistics.

324 Money and Banking. (3) I, II. Prerequisite: ECO 231. Functions of money; monetary systems; history of banking; functions of the commercial bank; bank assets and reserves; loans and discounts; bank supervision; the federal reserve system; central banking policies; monetary and fiscal policies.

333 Economics of Labor. (3) I. Prerequisites: ECO 230 and 231. History of the labor movement; union structure and government; collective bargaining; labor markets; governmental regulations and controls; current issues in labor relations.

349 Cooperative Study in Economics. (1-8) A. Work, under faculty and field supervisors, in placements related to academic students. One to 8 hours credit per semester or summer. Total hours: 16, baccalaureate. Minimum 80 hours work required for each academic credit.

350 Intermediate Macroeconomics Theory. (3) I. Formerly ECO 550. Prerequisite: ECO 231. Macroeconomic concepts at the intermediate level. National income; consumption; investment; inflation; monetary and fiscal theories; economic stabilization; Classical, Keynesian and modern theories.

351 Intermediate Microeconomics Theory. (3) II. Formerly ECO 593. Prerequisite: ECO 230. Microeconomic principles at the intermediate level. Demand; supply; pricing; resource allocation; competitive conditions; factor pricing; application of economic principles to social and business problems.

360 Consumer Economic Problems. (3) I. Analysis of consumer problems including the classical concepts of consumer sovereignty; analysis of consumer demand; the economic analysis of consumer expenditures; important aspects of consumer education and protection.

394 International Economics. (3) I. Prerequisite: ECO 230 and 231. An introduction to international trade and investment theory emphasizing: international business; international trade theory; trade and investment patterns; payments system; balance of payments; international companies; and investment decisions.

432 Alternate Economics Systems. (3) A. Prerequisite: ECO 231. Capitalism; utopian forerunners; the Marxian theory of socialism and communism; modern socialism and communism; British socialism; the economy of the Soviet Union; Fascism; the consumer cooperative movement.

492 Business Cycles. (3) II. Prerequisite: ECO 231. Growth, instability, inflation, business cycle theories; spending and saving decisions; government expenditures and tax patterns; prices, output, and employment; historical cyclical patterns; economic forecasting.

510 Survey of Economics. (3) A. Prerequisite: graduate standing or departmental approval. A study of the basic micro and macro economic principles necessary for graduate study in economics. Credit will not be given to students who have taken ECO 230 or ECO 231.

520 Economic Thought and Philosophy. (3) II. Prerequisite: ECO 230 and ECO 231. The evolution of economic ideas from the Mercantilist period until present. Relation of the various schools of economic thought to the development of a market system philosophy.

530 Quantitative Methods in Accounting, Business and Economics. (3) I, II. Prerequisite: ECO 220 or instructor approval. Probability; decision making; linear programming; game theory; inventory models; queuing models; transportation problems; simulation techniques. Credit can be received for only one of the following courses: ECO 530, CIS 390, MGT 340.

560 Special Problems in Economics. (3) A. Prerequisite: advisor/departmental approval. Independent work, special workshop, special topics, or seminar.

570 Health Care Economics. (3) A. Prerequisite: ECO 230. Introduction to health economics; prices and profit in medical care; demand, production and cost in the health care sector; health care planning, investment, and financing.

580 Natural Resource and Environmental Economics. (3) II. Prerequisite: ECO 230 or departmental approval. Economic tools used in the allocation of natural resources including: policy proposal criteria; resource allocation; conservation; the state's role; benefit-cost analysis; and environmental impact assessment.

595 The Economics of Growth and Development. (3) II. Prerequisites: ECO 230 and ECO 231. The measurement of underdevelopment; the international distribution of income; the causes of economic growth; public policy for the promotion of economic growth; theories and development.

GRADUATE COURSES

600 Managerial Economics. (3) II.
604 Statistical Methods. (3) I.
607 Economics (subtitle). (1-3) A.
620 Contemporary Economic Problems. (3) A.
660- Independent Study in Economics. (1-6) A.
698-699 Thesis. (6) A.

DEPARTMENT OF
FINANCE AND BUSINESS SYSTEMS

Brewer, V. L., Chair; Alford, Bodley, Cain, Carr, Galloway, Hagias, Kennedy, Kittrell, Lin, Mahmood, Martien, Subramanian, Weese.

The Department of Finance and Business Systems offers courses in computer information systems, finance, insurance, and real estate leading to the Bachelor of Business Administration degree.

The Department of Finance and Business Systems participates in the Master of Business Administration program. A student may concentrate at the graduate level in computer information systems, finance, insurance, or real estate. A detailed description of this program is presented in the Graduate Catalog.

COMPUTER INFORMATION SYSTEMS

The Bachelor of Business Administration degree in computer information systems provides the practical and theoretical knowledge, both technical and business, necessary for the student to design and justify an information system for a business or non-profit organization. The program includes an in-depth analysis for economic justification of a proposed system to include hardware and software. Analysis

is carried through the design, implementation, and updating processes.

The computer information systems (CIS) major consists of 18 hours of CIS courses above the business core. All work for the major must be completed with a grade of "C" or higher. At least 12 of the hours in the major must be earned at Eastern Kentucky University.

There is a minor in computer information systems for students in colleges other than the College of Business. The minor consists of 18 hours of CIS courses.

Computer Information Systems

MAJOR, BACHELOR OF BUSINESS ADMINISTRATION

Major Requirements ..... **18 hours**
CIS 390, 435, 475, plus 9 CIS hours above business core.
Business Electives ..... **9 hours**
Business Core ..... **39 hours**
ACC 201; 202; ECO 220, 230, 231, and 3 hours to be selected from ECO 300, 324, 350, 351, 394, or 492; CIS 212; FIN 300; GBU 204, 504; MGT 300; MKT 300; OAD 301 or 400.
Supporting Course Requirements ..... **3 hours**
MAT 107 or 211.
General Education Requirements ..... **52 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **7 hours**
Total Curriculum Requirements ..... **128 hours**

Course Descriptions

CIS—Computer Information Systems

212 Introduction to Data Processing Systems. (3) I, II. Formerly EDP 212. Computer systems, including machine functions and computer organization; the symbolics of procedural analysis, data representation, computer mathematics, flowcharting, and computer programming with BASIC language; uses of computers in dynamic environments.

250 COBOL Programming. (3) I, II. Formerly EDP 250. Prerequisite: CIS 212. Introduction to COBOL. Basic and applications of COBOL in day-to-day business operations. Advanced problems on the PDP 11/70, and Kentucky Educational Computer Network systems.

303 Computerized Health Information Systems. (3) II. Formerly EDP 303. Prerequisite: CIS 212, HRS 206, or instructor approval. An overview of health information systems. Computerized health care terminology, system development, and medical record processing procedures. No credit toward CIS major requirements.

320 Assembly Languages. (3) I, II. Formerly EDP 320. Instruction codes, input-output, macros, machine representations of characters, control, arithmetic and logic operation, subroutines, indexing and indirect addressing, assembly systems and current advances in computer organization.

340 FORTRAN/RPG Programming. (3) I, II. Formerly EDP 340. Prerequisites: CIS 212 and ECO 220. Introduction to FORTRAN/RPG. History and application in both research and day-to-day business operation. Advanced problems on the PDP 11/70, and Kentucky Educational Computer Network systems.

345 PL-1 Programming. (3) I, II. Formerly EDP 345. Introduction to the PL-1 language and its relationship to FORTRAN, COBOL, and ALGOL.

349 Cooperative Study in Computer Information Systems. (1-8) A. Formerly EDP 349. Work, under faculty and field supervisors, in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 16, baccalaureate. Minimum 80 hours work required for each academic credit.

355 Input-Output Techniques. (3) I. Formerly EDP 355. Prerequisite: CIS 250. Theory of data handling: key tapes, optical readers, bar-code readers, paper tape, disc storage; remote terminals and teleprocessing.

360 Computer Information Systems Internship. (2-4) A. Formerly EDP 360. Prerequisite: GPA of 2.0 and advisor/departmental chair approval. Practical experience in computer information systems.

370 Seminar in Computer Information Systems. (1-3) A. Formerly EDP 370. Prerequisite: instructor approval. Selected topics of special and contemporary interest to business students. May be retaken under different subtitles for a cumulative maximum of 9 hours.

390 Quantitative Business Applications. (3) I, II. Formerly EDP 390. Prerequisite: ECO 220. Programming for decision-making under uncertainty, PERT, optimization inventory control models, linear programming, transportation models, dynamic programming, queueing models, and simulation. Credit can be received for only one of ECO 530, CIS 390, or MGT 340.

410 Business Applications of Micro-computers (3) I. Prerequisites: CIS 212, MGT 300, MKT 300, FIN 300. The application of microcomputers to business: record keeping, planning, scheduling, inventory control, financial analysis, and other business analysis for managerial decision making.

435 Database Management Systems. (3) I, II. Formerly EDP 435. Prerequisites: 6 hours CIS. Basic concepts of database, file organization, data structure, multiple key database processing, database and relational database model, commercial databases, analysis and design, security and integrity.

460 Systems Simulation (3). II. Prerequisites: CIS 340 or Instructor approval. Development, application, and evaluation of systems simulation models; the use of simulation models; the use of simulation languages in conjunction with digital computer.

475 Business Systems I. (3) I. Formerly EDP 475. Prerequisite: 6 hours CIS. Business systems, management organization of systems analysis, systems function, concepts and programs, analysis and design, application feasibility studies, information retrieval, and systems planning and control.

476 Business Systems II. (3) II. Formerly EDP 476. Prerequisite: CIS 475. Continuation of CIS 475.

590 Special Problems in Data Processing. (1-4) A. Formerly EDP 595. Prerequisite: advisor/departmental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Independent work, special workshop, special topics, or seminars.

GRADUATE COURSES

600 Computer Information Systems. (3) A.
604 Introduction to Information Processing. (3) A.
610 Information Systems Management. (3) A.
620 Contemporary Topics in Information Systems Seminar (3) A.
690 Independent Study in Computer Information Systems. (1-4) A.

FINANCE

The Bachelor of Business Administration degree in finance is designed to provide the student with a broad knowledge in the areas of business and corporation finance, investments, financial institutions, and public finance. The student is provided with both the theoretical background and the tools of analysis required for effective financial decision-making. Upon completion of the program, graduates are equipped with the qualifications necessary to enter a successful career in finance in corporations, banks, investment firms, government agencies, savings and loan associations, franchise operations, and other organizations. Within the finance major, the student may select one of four areas of emphasis, whose objectives are as follows:

Emphasis One: Finance:
To develop general financial skills required for careers in finance.

Emphasis Two: Financial Management:
To develop skills required for careers in small business finance and corporation finance as financial managers, controllers, or treasurers.

Emphasis Three: Investments:
To develop skills required for careers in the securities industry as brokers, security analysts, investment bankers, or portfolio managers.

Emphasis Four: Banking:
To develop skills required for careers in commercial banking, savings and loan association, mortgage banking, or careers with the FDIC.

The finance major consists of 18 hours above the business core. All courses submitted toward the major must be com-

pleted with a grade of "C" or higher. At least 12 of the hours in the major must be earned at Eastern Kentucky University.

Finance

MAJOR, BACHELOR OF BUSINESS ADMINISTRATION

Major Requirements ..... 18 hours
Emphasis One—Finance: FIN 304, 324, 400, and 3 hours of FIN above core. A maximum of 6 hours to be taken from ACC 300, ECO 324, 350, 351, 394, 492, RST 330, INS 370, and other FIN courses above the business core.
Emphasis Two—Financial Management: FIN 308, 324, 361, 400, 404, and 3 hours FIN above core or ACC 300.
Emphasis Three—Investments: FIN 308, 324, 361, 400, 420, and 3 hours of FIN above core or RST 330 or INS 370.
Emphasis Four—Banking: FIN 304, 308, 400, 430, and 6 hours from FIN 324, 361, 404, 460, ECO 300, 350, 351, 492, RST 330, INS 370.

Business Electives ..... 6 hours
Business Core ..... 39 hours

Emphasis One—ACC 201; 202; ECO 220; 230; 231; and 3 hours to be selected from ECO 300, 324, 350, 351, 394, or 492; CIS 212; FIN 300; GBU 204; 504; MGT 300; MKT 300; OAD 301 or 400.
Emphasis Two—ACC 201; 202; ECO 220; 230; 231; and 3 hours to be selected from ECO 300, 324, 350, 351, 394, or 492; CIS 212; FIN 300; GBU 204; 504; MGT 300; MKT 300; OAD 301 or 400.
Emphasis Three—ACC 201; 202; ECO 220; 230; 231; and 3 hours to be selected from ECO 300, 324, 350, 351, 394, or 492; CIS 212; FIN 300; GBU 204; 504; MGT 300; MKT 300; OAD 301 or 400.
Emphasis Four—ACC 201; 202; ECO 220; 230; 231; 324; CIS 212; FIN 300; GBU 204; 504; MGT 300; MKT 300; OAD 301 or 400.

Supporting Course Requirements ..... 6 hours
MAT 107 or 211; CIS 390.
General Education Requirements ..... 52 hours
Standard General Education program excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... 7 hours
Total Curriculum Requirements ..... 128 hours

Course Descriptions

FIN—Finance

201 Personal Money Management. (3) I, II. Formerly FIN 301. A consumer approach to insurance, family budgeting, income taxes, elementary investment principles, and estate planning. Does not count toward the major in finance or general business.

300 Business Finance. (3) I, II. Prerequisites: ECO 220, ACC 202. Financial principles and functions with applications to business organizations, including investment, dividend decisions, and an introduction to the models and tools used for financial analysis.

304 Financial Institutions. (3) I. Prerequisite: FIN 300. Sources and uses of funds; savings and loan institutions, insurance companies, pension funds, trusts, and other financial intermediaries; impact of financial institutions on the economy.

308 Commercial Banking. (3) I. Prerequisite: FIN 300. Problems of commercial banking discussed from the point of view of bank management: size of asset reserves, credit analysis, investment policies, equity reserves, and capital account.

324 Investments. (3) I. Prerequisite: FIN 300. Characteristics of bonds, stocks, securities market, investment banking. Sources of investment information; interpreting financial news; taxation of securities; investors of limited means; analysis of securities.

349 Cooperative Study in Finance. (1-8) A. Work, under faculty and field supervisors, in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 16, baccalaureate. Minimum 80 hours work required for each academic credit.

361 Models for Finance. (3) I. Prerequisite: FIN 300. Development of skills of finance, insurance, and real estate majors in modeling problems related to each discipline; identifying problems; formulating solutions in terms of computer models; interpreting the solutions.

400 Advanced Business Finance. (3) I. Prerequisite: FIN 300. Working capital management; capital asset pricing model and its application to capital budgeting; valuation of the firm and cost of capital; long term financing to include leasing, mergers, and liquidations; international financial management.

404 Financial Management. (3) I, II. Prerequisites: FIN 300. An in-depth examination of the financial management of the firm. Cases on the financing decision, the investment decision, and the dividend decision within the context of the capital asset pricing model.

420 Modern Portfolio Theory. (3) II. Prerequisite: FIN 324. The application of modern portfolio theory to portfolio selection, analysis, and revision. Topics include: Markowitz portfolio theory, capital asset pricing model, and index models. Uses both calculus and computer analysis.

430 Accounting and Financial Practices in Regulated Industries. (3) I. Crosslisted as ACC 430. Prerequisite: FIN 300. Analysis of regulatory accounting and financial practices of regulated industries. Emphasis on requirements imposed by regulatory agencies including the SEC, ICC, FPC, and CAB.

450 Seminar in Finance. (1-3) A. Prerequisite: instructor approval. Selected topic of special and contemporary interest to business students. May be retaken under different subtitles for a cumulative maximum of 9 hours.

460 Public Finance and Taxation. (3) II. Prerequisite: FIN 300. Objectives of governmental financing and spending; budgetary processes; economic impact and fiscal theory; distribution of governmental burden; taxation; shifting and incidence of taxation.

590 Special Problems in Finance. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Independent work, special workshops, special topics, or seminars.

GRADUATE COURSES

600 Administrative Analysis in Finance. (3) II.
601 Seminar in Investments. (3) I.
690 Independent Study in Finance. (1-4) A.
698-699 Thesis. (6) A.

INSURANCE

The objective of the Bachelor of Business Administration degree in insurance is to provide students with a basic knowledge in all areas of insurance so that they can pursue a career in any of the broadly diversified opportunities available in this profession. The insurance industry includes opportunities in finance, accounting, data processing, actuarial science and statistics, marketing, management, engineering, and various other disciplines as well as the more specialized insurance functions of underwriting, ratemaking, and claims handling. In every case, however, the successful career path in insurance requires a working knowledge of all facets of insurance including life, health, property-liability insurance, employee benefits, and risk management.

The insurance courses are designed to be useful for all students, regardless of their primary field of study. These courses are also designed to help the student become a more knowledgable and sophisticated insurance consumer. INS 370 or 372 can be used to meet the state 40-hour education requirement prior to taking the Kentucky General Lines Agents Licensing examination. INS 374 meets the same requirements for the Kentucky Life-Health Agent examination.

The insurance major consists of a minimum of 15 credit hours of insurance. The insurance major is required to take INS 370 prior to taking any other insurance course. All courses submitted toward the major must be completed with a grade of "C" or higher. At least 12 of the hours in the major must be earned at Eastern Kentucky University.

Insurance

MAJOR, BACHELOR OF BUSINESS ADMINISTRATION

Major Requirements ..... **18 hours**
INS 370, 372, 374, and 9 additional hours at the 300 level or above. The 9 additional hours may include INS 376, 378, 380, 400, 474, 590, or a maximum of three hours of 300-400 level FIN or RST.
Business Electives ..... **6 hours**
Business Core ..... **39 hours**
ACC 201; 202; ECO 220; 230; 231, and three hours to be selected from ECO 300, 324, 350, 351, 394, or 492; CIS 212; FIN 300; GBU 204; 504; MGT 300; MKT 300; OAD 301 or 400.
Supporting Course Requirements ..... **6 hours**
MAT 107 or 211, CIS 390
General Education Requirements..... **52 hours**
Standard General Education program excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **7 hours**
Total Curriculum Requirements ..... **128 hours**

Course Descriptions

INS—Insurance

349 Cooperative Study in Insurance. (1-8) A. Work, under faculty and field supervisors, in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 16, baccalaureate. Minimum 80 hours work required for each academic credit.

370 Principles of Risk and Insurance. (3) I, II. Theory and practice of insurance and its economic and social significance; basic life, health, and property-liability insurance for businesses and families; review of the major lines of insurance.

372 Fundamentals of Property-Liability Insurance. (3). A. Prerequisite: INS 370 or instructor approval. Planning and evaluating individual and business firm property-liability insurance; analysis of insurance coverages against pure risk related to property-liability insurance exposures.

374 Fundamentals of Life and Health Insurance. (3) A. Prerequisite: INS 370 or instructor approval. Analysis of life insurance and annuity products available in the individual market. Includes a discussion of systems for determining the individual's life insurance needs.

376 Employee Benefit Planning (3) A. Prerequisite: INS 370 or instructor approval. Employee benefit plans including taxation, costs, and choices of funding. Includes an analysis of the role of employee benefit plans in meeting the risks of death, illness, and old age.

378 Business Risk Management (3) A. Prerequisite: INS 372 or instructor approval. Risk management as used by the business firm; basic functions of risk management; risk management decision-making as a corporate buyer of insurance.

380 Social Insurance (3) A. Prerequisite: INS 370 or instructor approval. Examination of financial insecurity caused by occupational injuries, unemployment, old age, and general illness. Emphasizes social security, and other government programs which are designed to alleviate these social problems.

400 Seminar in Insurance. (1-3) A. Prerequisite: instructor approval. Selected topics of special and contemporary interest to business students. May be retaken under different subtitles for cumulative maximum of 9 hours.

474 Life Insurance and Estate Planning (3) A. Prerequisite: INS 374 or instructor approval. Role of life and health insurance in family estate planning; considerations of developing an estate plan for the individual or the family.

590 Special Problems in Insurance. (1-6) A. Prerequisite: advisor/departmental chair approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Independent work, special workshops, special topics, or seminars.

GRADUATE COURSES

676 Employee Benefit Planning. (3) A.
678 Business Risk Management. (3) A.
690 Independent Study in Insurance. (1-4) A.

REAL ESTATE

The real estate curriculum is planned to provide the academic background in real estate which is required today by the complexities inherent in an era of population, environmental, economic, and governmental pressures. The Bachelor of Business Administration degree in real estate is designed for those who wish to concentrate in one of the real estate specialties such as brokerage, marketing, appraisal, finance, research, property management, or development.

The real estate major consists of 21 hours above the business core. All courses submitted for the major must be completed with a grade of "C" or better. At least 12 hours in the major must be earned at Eastern Kentucky University.

Real Estate

MAJOR, BACHELOR OF BUSINESS ADMINISTRATION

Major Requirements ..... **21 hours**
RST 310, 320, 330, 340, 400 or 410; plus 6 hours of RST electives to be determined in coordination with advisor.
Business Electives ..... **3 hours**
Suggested electives include ACC 300, 322, ECO 341, 360, 597, MKT 320, PLA 220, 221, 324.
Business Core ..... **39 hours**
ACC 201, 202, ECO 220, 230, 231, 324, CIS 212, FIN 300, GBU 204, 504, MGT 300, MKT 300, OAD 301 or 400.
Supporting Course Requirements ..... **9 hours**
MAT 107 or 211, INS 370, CIS 390.
General Education Requirements..... **52 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **4 hours**
Total Curriculum Requirements ..... **128 hours**

Course Descriptions

RST—Real Estate

110 Fundamentals of Real Estate for the Consumer. (3) I. Introduction to the elements of real property ownership, law, and leasehold interests. This course qualifies as a part of the education requirement for a sales license (KRS 324, 046) in the Commonwealth of Kentucky.

130 Financing Real Estate for the Consumer. (3) II. Examination of various methods of financing the personal acquisition of real property: conventional mortgages, FHA and VA loans, and contemporary creative financing methods. Investment and shelter techniques in the purchase of investment property. This course qualifies as a part of the education requirement for a sales license (KRS 324, 046) in the Commonwealth of Kentucky.

310 Real Estate Principles. (3) I, II. Procedures involved in the ownership and transfer of real property; laws governing real estate transactions.

315 Real Estate Construction. (3) A. Formerly RST 200. Basic construction terminology and methodology. Reading, interpretation, and analysis of construction blueprints as related to construction development and appraisal.

320 Real Estate Law. (3) I, II. Businessman's point of view of real estate instruments, property rights and liabilities, estates, and interest and liens.

330 Real Estate Finance. (3) I, II. Prerequisites: RST 310, FIN 300, or instructor approval. Sources of funds for financing real estate transactions; financial instruments that are used and problems encountered in financing real property.

340 Appraisal of Residential Property. (3) I, II. Prerequisite: RST 310. Fundamentals of appraising real property; approaches to determining value; factors that contribute to the cost of real estate.

345 Real Estate Appraisal of Income Property. (3) A. Prerequisite: ECO 220, RST 330, RST 340. An advanced course in real estate property appraisal concentrating on income property appraisal and advanced valuation techniques.

349 Cooperative Study in Real Estate. (1-8) A. Work, under faculty and field supervisor, in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours; 16, baccalau-

reate. Minimum 80 hours work required for each academic credit.

350 Real Estate Marketing. (3) I. Prerequisite: RST 310 or instructor approval. Factors in marketing residential, business, industrial, and farm property, such as listing, prospecting, advertising, showing, determining the needs of the client, qualifying clients, and closing the sale.

351 Real Estate Research and Feasibility Analysis (3) II. Prerequisite: ECO 220. Analysis of target markets, media demography, advanced real estate advertising techniques, and marketing feasibility studies. Housing formats include single family, planned unit development, mixed development, condominiums, and rental residential developments.

355 Real Estate Property Management. (3) A. Formerly GBU 355. Prerequisite: RST 351. Administration, marketing, and evaluation of residential and commercial income properties; interaction with development and construction firms.

370 Urban Land Use and Analysis. (3) A. Prerequisite: RST 351 and ECO 231 or instructor approval. Basic principles and practices of urban land use and the analysis of economic principles of urban land utilization.

400 Real Estate Brokerage. (3) II. Prerequisite: senior standing plus 15 hours RST. Establishment and operation of real estate broker's office: staff recruitment and training, sales activities, marketing policies and practices, and professional ethics; requirements of Kentucky Revised Statutes regarding real estate brokerages.

410 Real Estate Investments. (3) I. Prerequisite: senior standing plus 15 hours RST including RST 351. Real estate investments; organization and operation of trusts; syndications; partnerships and corporations in real estate investments; selection of investment portfolios.

450 Seminar in Real Estate. (1-3) A. Selected topics of special and contemporary interest to business students. May be retaken under different subtitles for a cumulative maximum of 6 hours.

500 Property Valuation. (3) A. Prerequisites: RST 345 and senior or graduate standing. The valuation process in real estate as it applies to residential, commercial, and industrial financing, investment management, and tax consideration.

590 Special Problems in Real Estate (1-6) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Independent work, special workshop, special topics, or seminars.

GRADUATE COURSES

600 The Real Estate Process. (3) I.

690 Special Problems in Contemporary Real Estate. (3) A.

698-699 Thesis. (6) A.

COLLEGE OF EDUCATION

DIXON A. BARR, Dean; J. LINWARD DOAK, Associate Dean

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Eastern Kentucky University has maintained a strong interest in and commitment to the preparation of teachers since its founding in 1906 and is dedicated to the preparation of teachers to function effectively in a culturally diverse society in order to meet the needs of all students. While teacher education at Eastern is viewed as an all-university function, the programs of elementary education, library science, rehabilitation education, special education, and communication disorders are located and advised in the College of Education. Secondary teaching programs are located in their respective colleges with students receiving academic advisement from the college of their major and professional teaching advisement in the College of Education.

ADMISSION TO THE COLLEGE OF EDUCATION

Students will be assigned an advisor by their departmental chair on admission to the College of Education and must enroll in Orientation EDO 100 during the first semester and Professional Laboratory EDF 102 during the freshman year.

It must be clearly understood that admission to the College of Education is *not* synonymous with admission to the teacher education program.

CURRICULUM REQUIREMENTS

Each student must make application for a planned curriculum at the time of completion of lower division requirements and admission to the College of Education. Those students who are in teaching programs will initiate their applications for a planned curriculum while enrolled in EDF 202/300. Students in non-teaching programs must apply for a planned curriculum in the office of the chair of their major department. Any change in the planned curriculum must be approved by the student's advisor, the department chair, and the Dean of the College of Education. It is the student's responsibility to register for the proper courses so that all requirements are satisfied at the time of expected graduation.

Students may plan their curricula from the following options:

1. an area of concentration, or
2. two majors, or
3. one major and two minors, or
4. one major and one minor when credit in both totals 48 semester hours (54 when English is included as the major), or
5. a single major of 30 hours in approved teaching or non-teaching fields.

TEACHER EDUCATION PROGRAMS

The curricula offered by the University has been planned and developed to meet the needs of students who desire to become teachers, principals, supervisors, superintendents, attendance officers in the public schools, guidance counselors, and school librarians. Curricula are offered for the preparation of elementary teachers (options are available for library science and kindergarten teaching); for teachers of the special subjects of art, business, health, physical education, home economics, industrial arts, music, and special education; for teachers of technical and industrial subjects in vocational schools; and for the preparation of secondary school teachers in fields of biology, chemistry, earth science, economics, English, French, geography, German, history, mathematics, physics, political science, psychology, Russian, social science, sociology, Spanish, speech, and speech and drama.

Student Services Teacher Admission and Certification

Glynn N. Creamer, Director

This office is responsible for the admission of students to teacher education programs at Eastern. It receives and processes applications for teaching certificates and certificates for other school personnel (principals, supervisors, superintendents, counselors, psychometrists, pupil personnel directors, business administrators, and librarians).

Those students planning to follow a teaching program in the College of Education must meet the requirements for admission to the teacher education program. All students, regardless of the college in which they enroll, must apply for admission to teacher education if they expect to complete a teaching program and be approved for certification.

Those who plan to work toward a teaching certificate must enroll in EDF 102, Professional Laboratory, and in EDF 202, Professional Orientation. Enrollment in EDF 102 should be in the freshman year and in EDF 202 in the sophomore year. The application for the teacher education program will be processed as a part of EDF 202. Transfer students who have had a similar introductory course prior to entering Eastern should enroll in EDF 300, Orientation to Teacher Education, in lieu of EDF 202. This must be done during the transfer student's initial semester at Eastern.

The Admissions Committee for Teacher Education will review the results of EDF 102 tests and application materials submitted during EDF 202/300 and take appropriate action concerning the student's admission to the teacher education program on the completion of 60 semester hours and based

on the following criteria:

1. Complete 12 hours of on-campus residence credit at Eastern prior to admission to the teacher education program.
2. Attain a 2.0 grade-point average (4.0 scale) in all college work at Eastern including a passing grade in EDF 102, and a minimum grade of "C" in EDF 202/300. — (Effective with the summer of 1983, the grade-point average will be increased from 2.0 to 2.25 for entrance to the teacher education program.)
3. Demonstrate proficiency in communication skills, including evidence of satisfactory speech and speaking effectiveness.
4. Present satisfactory recommendations from four Eastern faculty members, including the student's instructor in EDF 102, EDF 202/300, and the student's advisor.
5. Provide evidence of no physical or psychological impairments that would preclude teaching success.
6. Accumulate a satisfactory record of acceptable social behavior in the University community as well as the community at large.
7. Present satisfactory results on examinations taken in EDF 102 or other examinations as may be required by the Admission Committee. Students scoring below minimum requirements shall be required to improve their competencies to an acceptable level before admission to teacher education. This may include therapy and enrollment in credit or noncredit remediation courses and retesting to determine that minimum competencies are met.

When a student has been admitted to the teacher education program, and not until then, may he enroll in the professional education sequence. No student will be enrolled in EDF 317, Human Development and Learning, or subsequent education courses without an admission card. If, after admission to the teacher education program, a student is placed on either academic or social probation, the application will be reviewed.

Educational Research and Evaluation

Robert L. Byrne, Director

This office performs two major functions. First, it provides a central location for the collection and summary of statistical information relevant to quality control of the teacher education product. The Director coordinates the selection, administration, and analysis of measurement instruments utilized in the admission to the teacher education process and also those instruments appropriate for evaluating students during the professional semester. This office regularly conducts follow-up studies of graduates of the teacher education program. Second, it provides services to faculty and students for identifying research hypotheses, assistance in formulating the procedure, analysis of data, and dissemination of information.

Professional Laboratory Experiences

David L. Rush, Director

The office is responsible for the organization and administration of all professional laboratory experiences relating to the teacher education program of the University. This includes location and approval of teaching centers, assignment, supervision, and evaluation of students in a learning environment and liaison with public schools in all matters related to practicum experiences of students in teacher education programs.

The Office of Professional Laboratory Experiences receives and evaluates all applicants for student teaching, determines appropriate disposition of the application and provides continuous assessment of the applicant's preteaching and teaching experiences during the professional semester.

This office recognizes that cultural diversity is a fact of American life, and teachers function in a pluralistic cultural environment. Experience in multicultural settings provide valuable enrichment for the proper development of effective teachers. The Office of Professional Laboratory Experiences will provide assignments in accord with this philosophy.

ADMISSION TO STUDENT TEACHING

Students of senior standing may enroll in student teaching if they have satisfied the following requirements:

1. Admitted to the teacher education program.
2. Filed an application during the first four weeks of the semester prior to the term in which student teaching is desired. Any application filed is evaluated and processed for approval or disapproval. This appraisal will specifically examine:
   a. A valid medical examination, including a current tuberculosis test. Any significant deviation from normal physical and psychological well-being will be referred to a proper examining physician.
   b. Behavior that relates to the moral, ethical, social, and personal standards of professional competency. The student's comportment will be subject to review and appraisal by the department responsible for the student teaching recommendation and the College of Education.
   c. Each student applying must file a completed curriculum contract with the Dean, College of Education prior to final approval for student teaching.
3. Completed a minimum of 12 semester hours of on-campus residence at Eastern prior to admission to student teaching.
4. Completed all prerequisites in professional education and prestudent teaching curricula in the applicant's area as prescribed by this Catalog.
5. Recommended by the student's advisor and approved by the department chair.
6. Standing of at least 2.25 grade point average based on hours attempted on the official Eastern transcript in the student's major/minor and overall program. — (Effective with the fall semester 1984 the 2.25 GPA required will be increased to 2.5.)
7. A grade of "C" or above in EDF 317 and EPY 318.
8. A grade of "C" or above in ESE 498 and/or ELE 498.
9. A grade of "C" or above in all methods courses.
10. A grade of "C" or above in required special education courses for special education majors.

GRADUATION REQUIREMENTS

Students completing programs in the College of Education are eligible for the Bachelor of Science degree. General graduation requirements from the College of Education are as follows:

1. Submission of an application for graduation in the office of the Dean of the College of Education. December graduates must make application during the preceding April; May and August graduates must make application during the preceding October.
2. Completion of a minimum of 128 semester hours, 43 of which must be in upper division courses (300, 400 and 500 levels). A candidate for a degree must have been in residence a minimum of 36 weeks and must have earned a minimum of 32 hours while in residence. Thirty of the last 36 hours must be earned at Eastern.
3. Completion of all coursework on the student's planned curriculum.

4. Attainment of a minimum cumulative grade point average of 2.0 or higher. (Students in teaching curricula are reminded that a 2.25 grade point average is currently required in major(s), minor(s), and overall. This 2.25 requirement will be raised to 2.5 effective with the fall semester of 1984. Also required is successful completion of EDF 102, a grade of "C" or above in EDF 202/300, EDF 317, EPY 318, ESE/ELE/SED 498, all methods courses, and required special education courses for special education majors.)

Secondary education majors (other than those in library science, physical education, school health, special education, and speech pathology and audiology) will follow the prescribed curriculum and requirements of another academic college, as well as the policies for teacher education stated elsewhere in this Catalog. These students take certain professional education coursework in the College of Education, as well as in their academic college. The College of Education cooperates closely with the other colleges in matters pertaining to the secondary major's admission to teacher education, as well as approval for, assignment to, and supervision of student teaching.

While specific requirements for each degree are found in the appropriate department presentations, the Academic Orientation course, EDO 100, is common to all programs.

EDO 100 Academic Orientation, (1) I. Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, catalog details, registration and pre-registration, various career opportunities, and program requirements. Not open to students with more than 30 semester hours.

Courses numbered in the 500 series are open to seniors and graduate students who meet course and program prerequisites. *Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates.* Courses numbered in the 600 series are open only to graduate students.

DEPARTMENT OF

ADMINISTRATION, COUNSELING, AND EDUCATIONAL STUDIES

White, E., Chair; Allen, Anglin, Beardsley, Brewer, Collins, Doak, Grise, Hume, McKenney, Marcum, Mills, D., Rush, Sexton, Stull.

The Department of Administration, Counseling, and Educational Studies offers graduate degrees in the areas of educational administration and counseling. It also offers graduate non-degree certification and Sixth Year Rank I programs in these areas. An undergraduate non-teaching major and minor are available in rehabilitation education. The area of educational studies provides undergraduate and graduate courses in the foundations of education to all degree programs. The area of counseling also provides undergraduate and graduate courses needed in other departments of the College of Education and other colleges of the University.

Educational Administration

Marcum, W., Program Coordinator.

Educational Administration offers a graduate program of specialization for those students who wish to become school superintendents, supervisors, elementary principals, secondary principals, and school business administrators. The Specialist in Education degree in educational administration and supervision is also available. For additional information regarding these programs contact the departmental chair or consult the Graduate Catalog.

Course Descriptions

EAD—Educational Administration

568 Administration and Organization of Physical Education. (2) I, II. Policies and procedures of administration on the elementary and secondary school level. Emphasis on construction and care of facilities, equipment and supervision of personnel.

GRADUATES COURSES

600 Introduction to Educational Administration. (3) I, II.
601 School Personnel Administration. (3) A.
602 School Buildings and Grounds. (3) A.
603 School Finance. (3) A.
605 School Law. (3) A.
606 The Elementary School Principal. (3) II.
607 Educational Administration and Supervision: (subtitle). (1-3) A.
608 Administration and Supervision of Early Childhood Education Centers. (3) A.
609 The Secondary School Principal. (3) I.
611 Supervision of Instruction. (3) I.
621 Practicum in Administration and Supervision. (3) II.
625 The Role of the Supervisor in Physical Education. (3) A.
640 The Superintendency. (3) I.
691 Issues and Trends in Educational Administration and Supervision. (3) A.
697 Independent Study. (1-3) A.
698 Project Development. (3) A.
699 Specialist Project. (3) A.

Educational Studies

Grise, R., Program Coordinator

Educational Studies provides instruction in those professional subjects considered basic to the teacher education student's preparation regardless of the teaching specialty or intended level of school practice. Instruction is offered in a number of related foundational disciplines including human development, educational sociology, educational philosophy, history of education, comparative education, and multicultural education.

Course Descriptions

EDF—Educational Studies

102 Professional Laboratory. (1) I, II. Experiences include observation, limited participation, tutoring, and serving as teacher's aids. Students participate in seminars with college staff, classroom teachers and other professional school staff. Required for education majors. Grading is pass-fail.

200 The American Educational System. (2) I, II. Scope, nature and purposes of education in the United States and how schools are organized, financed, and conducted. Deals with basic questions which relate to pertinent educational issues.

202 Professional Orientation. (3) I, II. Prerequisite: sophomore standing. Acquaints students with the role of public education and the nature of the teaching profession. Analyzes own personal fitness for teaching. Application is made for admission to the Teacher Education Program.

EDF—Educational Studies

300 Orientation to Teacher Education. (1) A. Required of transfer students who have an introductory education course prior to coming to Eastern. Analyzes own personal fitness for teaching. Application is made for admission to the Teacher Education Program. Grading is pass-fail.

317 Human Development and Learning. (3) A. Prerequisite: biological or physical science, admission to Teacher Education Program. Study of psychological, biological and environmental bases of behavior. Laboratory experiences provided.

507 Problems in Educational Foundations. (1-3) A. Prerequisite: advisor/departmental chair approval. For independent work, special workshops, a special topic, or seminar.

526 Applying Research to Classroom Problems. (2) I. Study and interpretation of recent research for dealing with classroom situations and problems. Class encouraged to focus on situations and problems directly related to their own teaching.

GRADUATE COURSES

607 Educational Studies: (subtitle). (1-3) A.
615 Human Development. (3) I, II.
632 History of Education in the United States. (3) II.
635 Critical Thinking in the Education Process. (3) I.
636 Philosophy of Education. (3) I, II.
637 Comparative Education. (3) I.
650 Educational Sociology. (3) II.
655 Foundations of Multicultural Education. (3) II.
669 Research in Education. (3) A.
695 Advanced Research Methodology. (3) I.

Educational Psychology and Counseling

Beardsley, T., Program Coordinator.

Educational Psychology and Counseling offers graduate programs with specializations for those students who wish to become school counselors, rehabilitation counselors, counselors in community and industrial settings, school psychometrists, or student personnel workers in higher education. The following programs are offered:

Bachelor of Science Degree
Major in Rehabilitation Education (Non-Teaching)
Master of Arts in Education Degree
Elementary School Counseling
Secondary School Counseling
School Psychometry
Master of Arts Degree
Industrial and Community Services Counseling with option in:
Rehabilitation Counseling
Student Personnel Services in Higher Education
Certification Programs
Standard Pupil Personnel Certification
Rank I (Sixth Year Non-degree Programs)
Specialist in Education Degree
School Counseling
Student Personnel Services in Higher Education

For additional information regarding these programs, contact the office of the department chair or consult the Graduate Catalog.

Course Descriptions

EPY—Educational Psychology

318 Learning Theories Applied to Teaching. (3) A. Examination of theories of learning and implications for adaptation in the school setting. Emphasis on the practical aspects of theories of learning through utilization of a variety of techniques and procedures.

320 Educational Psychology. (3) A. Prerequisite: one course in psychology or instructor approval. Theories and processes of learning, maturation, individual differences, personality, and statistical procedures.

412 Measurement and Evaluation in the Schools. (3) A. Principles and procedures in evaluating pupil growth in skills, attitudes, aptitudes, and understandings. Experience in test construction, analysis, item analysis, and marketing systems.

504 Psychology of Individual Differences. (3) A. Prerequisite: undergraduate psychology course or instructor approval. Study and application of the facts of human variability, including differences in such areas as age, sex, class, intelligence, and achievement.

507 Problems in Educational Psychology and Guidance. (1-3) A. Prerequisite: advisor/instructor approval. Independent investigation of a research problem, or directed readings, in a selected area of study chosen in consultation with the instructor.

555 Vocational Development and Adjustment. (3) A. Comprehensive coverage of the application of psychological principles to personnel selection, training, placement, and evaluation; motivation, interaction, and morale, and effective human relations in business, industry, and community agencies.

GRADUATE COURSES

616 Tests and Measurements. (3) A.
623 Educational Implications of Learning Theories. (3) A.
626 Individual Appraisal of Intelligence I (Stanford-Binet) (3) I.
627 Individual Appraisal of Intelligence II (Wechsler Scales) (3) II.
642 Statistical Methods I. (3) I, II.
643 Statistical Methods II. (3) II.
652 Advanced Educational Psychology. (3) I.
654 Mental Health and Personal Adjustment. (3) II.
656 Practicum in Psychometry. (3) A.
698 Project Development. (3) A.
699 Specialist Project. (3) A.

EPC—Counseling

602 Counseling Psychology. (3) A.
607 Counseling: (subtitle). (1-3) A.
608 Administration of Pupil Personnel Services. (3) II.
613 Introduction to Counseling. (3) A.
614 Organization and Administration of Guidance Services. (3) I.
620 Group Processes. (3) A.
622 Occupational and Educational Information. (3) A.
625 Elementary School Guidance. (3) A.
630 Counseling Practicum in Secondary Schools. (3) A.
632 Counseling Practicum in Elementary Schools. (3) A.
634 Counseling Practicum in Higher Education. (3) II.
636 Counseling Practicum in Community Settings. (3) A.
640 Counseling Theory and Practice. (3) A.
644 Student Personnel Services in Higher Education. (3) I.
645 Internship in Student Personnel Services. (3) II.
646 Techniques of Counseling. (3) A.
647 Advanced Counseling Practicum in Elementary Schools. (3) A.
649 Advanced Counseling Practicum in Secondary Schools. (3) A.
651 Advanced Counseling Practicum in Higher Education. (3) A.
691 Issues and Trends in Counseling. (3) I.

Rehabilitation Education (Non-Teaching)

BACHELOR OF SCIENCE

Major Requirements . . . . . 36 hours
RHB 300, 310, 410, 480, 501, 503, 509, 510; EPY 555.
Supporting Course Requirements . . . . . 24 hours
BIO 171, 301; PSY 211, 308, SED 104, 341; SWK 210, SOC 400.
General Education Requirements. . . . . 49 hours
Standard General Education program, excluding course categories 13 and 15. Refer to Part Three for details on the General Education and University requirements.

Free Electives ..... **19 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN REHABILITATION EDUCATION (NON-TEACHING)

The requirements for a minor in rehabilitation Education (Non-Teaching) are:
RHB 300, 310 or 410, 480, 501, 503, 509..... 18 hours

Course Descriptions

RHB—Rehabilitation

300 Introduction to Rehabilitation. (3) II. Nature of disability and disadvantages are discussed. History, philosophy, and current trends in rehabilitation. 2 Lec/2 Lab.

310 Field Experiences in Rehabilitation Education I. (3) I. Prerequisites: BIO 171 or 301; RHB 300 and RHB 509 (or instructor approval — may be retaken concurrently). Orientation to a medical setting: Hospital, clinic, nursing home, etc. Direct contact with patients in a helping capacity.

410 Field Experiences in Rehabilitation Education II. (3) II. Prerequisite: PSY 211, 308, RHB 300, RHB 500, or instructor approval. May be taken concurrently. Orientation to a program for mentally retarded, disturbed or behavior disordered individuals. Direct contact with the retarded, disturbed, or behaviorally disordered in a helping capacity.

480 Procedures in Work Evaluation. (3) A. Prerequisites: rehabilitation ed. major or instructor approval. Theory, development, and utilization of work samples, situational assessment procedures, analysis of work relevant data for hypothesis testing, and communicating significant vocational data.

501 The Rehabilitation Counselor. (3) I. Prerequisites: RHB 300, 509. Opportunities for observing rehabilitation settings and talking with rehabilitation professionals. Government agencies and private programs at the local, state, and federal level are studied.

503 Public and Private Agencies and Services. (3) II. Prerequisites: RHB 300, RHB 509. Study of national, state, and community agencies which provide services to handicapped individuals.

509 Bio-Medical Aspects of Exceptionality. (3) I. Formerly RHB 401, SED 611. Prerequisites: BIO 171, BIO 301 or instructor approval. Bio-medical aspects of physical conditions and diseases which are pertinent to special educators, rehabilitation counselors and other educational personnel.

510 Practicum in Rehabilitation Education. (3-12) II. Prerequisites: completion of rehabilitation coursework and instructor approval. Supervised field experiences in rehabilitation. Departmental seminar and individual conferences are held weekly to support and evaluate the field experiences. May be retaken for a maximum of 12 hours.

GRADUATE COURSES

607 Rehabilitation: _____. (1-3) A.
617 Evaluating the Handicapped Individual. (3) A.

DEPARTMENT OF

CURRICULUM AND INSTRUCTION

Ramsey, I., Chair; Barker, Barr, R. Byrne, S. Byrne, G. Creamer, Cunningham, J. Davidson, R. Deane, S. Deane, A. Francis, Gaffin, Harp, Hatfield, Hendricks, Hurley, Jeffries, Jennings, Kirkpatrick, McCann, McHone, R. Miller, Moretz, Morris, Paterno, Peel, Phillips, Stoess, J. Surplus, K. Thompson, Walsko, Widener, Wise, Thames.

The Department of Curriculum and Instruction has responsibility for programs in elementary education and library science and for the professional education component of programs of individuals preparing to become teachers in secondary schools. At the undergraduate level, the department offers the Bachelor of Science degree in elementary education. Programs leading to endorsements for school media librarian and kindergarten teacher are also offered. At the graduate level, in cooperation with the Graduate School, the department offers the Master of Arts degree in Education with the following emphases: elementary education, reading (elementary and secondary), early childhood, gifted education (elementary and secondary), library science (elementary and secondary), and secondary teaching fields. At the secondary level, the Master of Music Education degree and the Master of Arts in Education degree with an option in allied health sciences education are offered. Fifth and sixth year non-degree certification programs (Rank II and Rank I) are offered in general elementary education, library science, and secondary teaching fields. The Specialist in Education degree is offered in elementary education and physical education.

Additional information regarding these programs can be obtained by consulting the Graduate Catalog or by contacting the appropriate program coordinator or the departmental chair.

ELEMENTARY EDUCATION
Thompson, K., Program Coordinator.

Elementary Education (Teaching)

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **38 hours**
ELE 322 or 365, 356, 360, 361, 362, 475, 550, 560, 498, 499.

Elementary education majors and special education/elementary education majors should enroll in a track including ELE 360, 475, and 560 during the semester preceding student teaching. Deviation from this must be approved by the elementary education program coordinator or the departmental chair. For complete information regarding track courses and MOVE Week, students should consult their advisors.

Supporting Course Requirements ..... **36 hours**
EDF 102; 202; 317; EPY 318; LIB 301; MAT 201; 202; MUS 360; one course from the General Education options; HIS 202 or 203; 9 hours of approved social science.

General Education Requirements..... **43 hours**
Standard General Education program, excluding course categories 9, 10, 11, and 12. Refer to Part Three of this Catalog for details on General Education and University requirements.

Free Electives ..... **11 hours**
Total Curriculum Requirements ..... **128 hours**

Elementary education majors have available to them an additional certification option in kindergarten education.

KINDERGARTEN EDUCATION CURRICULUM

Endorsement for teaching in kindergarten is available to interested persons who are majoring in elementary education. Completion of the following 11 hours in addition to the regular program for elementary education is required.
ELE 517, 519, 497 ..... 11 hours

Course Descriptions

ELE—Elementary Education

107 Elementary Education: _____. (1-3) A. Prerequisite: advisor/departmental chair approval. Special topics, special workshops, or seminars. May be retaken under different subtitles for maximum of 9 hours.

322 Physical Education in the Elementary School. (2) I, II. Not open to physical education majors. Movement education in the elementary school curriculum, with focus on the classroom teacher's role in supporting and supplementing the elementary school physical education program.

324 Teaching of Physical Education in the Elementary School. (3) I, II. Prerequisite: PHE 323. Study, appraisal, and practice of teaching techniques, methods, and materials essential to the sequential development of motor skill learning in the elementary school.

356 Social Studies in the Elementary School. (3) I, II. Prerequisite: 12 hours general education social science. Theory, content, and practice of teaching social studies in the elementary school.

360 Teaching of Elementary School Mathematics. (3) I, II. Prerequisites: EDF 317, MAT 201, 202, and admission to teacher education program. Methods and materials of teaching elementary mathematics; emphasis on discovering and developing fundamental concepts as a foundation for problem-solving.

361 Art Education in the Elementary School. (4) I, II. Inquiry into art materials and processes as an integral part of the total school experience. Implications for fostering creative growth and development within the child.

362 Music Education for the Elementary Teacher. (2) I, II. Prerequisite: MUS 360. Study and appraisal of teaching techniques, music literature, learning activities, curricular plans, and materials essential to the sequential development of musical learning in the elementary school.

365 Health Education in the Elementary School. (2) I, II. A study of curriculum design, teaching/learning strategies, resources, and evaluation procedures in elementary school health education. Topics include drugs, mental health, family living, nutrition/exercise/rest, consumerism; environmental health, disease, dental health, and careers.

475 Teaching of Elementary School Science. (3) I, II. Prerequisite: 9 hours general education science. Modern materials and methods for elementary science teaching from kindergarten through grade eight. Five discussion/laboratory hours per week.

497 Supervised Student Teaching in Kindergarten. (5-8) I, II. Prerequisite: ELE 519. Observation and teaching under professional supervision.

498 Fundamentals of Elementary Education. (3) I, II. Prerequisites: EDF 202 or 300, EPY 318, ELE 356, 360, 475, 550, 560. See admission to student teaching under Professional Laboratory Experiences. Taken with ELE 499. Functional approaches to responsible teaching in the elementary school.

499 Supervised Student Teaching. (6-12) I, II. Prerequisite: ELE 498. See admission to student teaching under Professional Laboratory Experiences. Observation, participation, and responsible classroom teaching along with related professional activities.

507 Problems in Elementary Education. (1-3) A. Prerequisite: advisor/departmental chair approval. Independent work, special workshops, special topics, or seminar.

510 Art in the Elementary Curriculum. (3) A. Elements of the discipline, creativity, aesthetics, theory, philosophy, and instructional facilities. Individual explorations into research and media. Appropriate assignments beyond normal assignments expected of graduate students.

517 The Child in Early Education. (3) I, II. Focuses specifically on physical, social, psychological and intellectual development of the child under six and role of the teacher in working with young children.

519 Teaching in the Kindergarten. (3) I, II. Prerequisite: ELE 517 except special education/elementary education dual majors. Focuses upon the kindergarten movement; organization, equipment, curriculum, and procedures; leaders and literature of kindergarten education. Opportunity for observing and participating in kindergarten.

521 Practices and Problems in Early Childhood Education. (4) A. Prerequisites: ELE 517, 519. Designed for experienced teachers. In-depth study and application of significant practices and problems in early childhood education.

522 Creative Experiences in Childhood Education. (3) A. Designed for prospective and in-service teachers with focus upon the nature of creativity, development of skills used in creative expressions; activities which promote creativeness in children and teachers.

530 Multicultural Populations and School Curriculum. (3) A. Exploration of ethnic and family backgrounds, class structure, patterns of living, language characteristics, and teacher-pupil attitudes as they relate to the school experience.

531 Teaching the Rural Disadvantaged Child. (3) A. Characteristics of the rural disadvantaged. Techniques, materials, and organizational patterns designed to benefit the rural disadvantaged student.

541 Survey of Elementary Curriculum Programs. (3) I, II. For physical education, art, or music majors seeking twelve-grade certification. Explores elementary curriculum, the role of special teachers, problems of individual learners, functions of the entire school-community. Not open to elementary education majors.

550 Reading and Language Arts in the Elementary School. I. (3) I, II. Prerequisite: EDF 317. Theory, content, and practice of teaching reading and language arts in the elementary school.

551 Linguistics in Elementary Education. (3) A. Prerequisites: ELE 550 or 671 or 673. Investigation of elements in the science of linguistics and their application to communication skills of elementary children.

560 Reading and Language Arts in the Elementary School. II. (3) I, II. Prerequisite: ELE 550. Theory, content, and practice of teaching reading and other language arts in the elementary school.

570 Identification and Correction of Developmental Reading Problems. (3) A. Procedures and materials appropriate for the identification and correction of moderate reading problems in the regular classroom.

596 Physical Education in Elementary Education. (3) A. Comprehensive review of techniques used in teaching physical education in the elementary grades. Emphasis placed on health evaluation, fitness testing, rhythmical activities, game activities, tumbling, and self-testing activities.

GRADUATE COURSES

601 Practicum in Kindergarten Education. (4) I, II.
602 Practicum in Elementary Education. (4) A.
605 Survey of Reading-Language Arts Program for Administrators. (3) A.
606 Reading Instruction in the Middle School. (3) A.
607 Elementary Education: _____. (1-3) A.
610 Elementary School Curriculum. (3) I, II.
611 Humanistic Teaching — Strategies and Behaviors. (3) A.
620 Theory and Philosophy in Early Childhood Education. (3) A.
625 Cognitive Development of Young Children. (3) A.
630 Expressive Experiences in Early Childhood Education. (3) A.
631 Music in Early Childhood Education. (2-3) A.
640 Career Education in Elementary Schools. (3) A.
641 The Metric System for Elementary Education. (3) A.
642 Discipline and Classroom Management. (3) A.
643 Teaching Mathematics to Low Achievers. (3) A.
655 Gifted and Talented Youth. (3) A.
656 Curriculum in Gifted/Talented Education. (3) A.
657 Seminar: Gifted/Talented Education. (3) A.
658 Practicum in Gifted/Talented Education. (3) A.
663 Social Science in Elementary Education. (3) A.
664 Investigations in Language Arts. (1-3) A.
665 Investigations in Reading. (1-3) II.
666 Investigations in Elementary School Mathematics. (1-3) II.
667 Investigations in Elementary School Social Studies. (1-3) A.
668 Techniques and Materials for Remedial Reading. (3) I, II.
670 Trends in Elementary Science Education. (3) I, II.
671 Readiness and Primary Reading Programs. (3) A.
672 Mathematics in Elementary Education. (3) I, II.
673 Developmental Reading in the Elementary School. (3) I, II.
674 Language Arts in the Elementary School. (3) A.
675 Diagnosis of Reading Problems. (3) A.
676 Investigations in Elementary School Science. (1-3) A.
677 Practicum in Remedial Reading. (3) A.
678 Practicum in Elementary Mathematics Education. (3) A.
691 Issues and Trends in Elementary Education. (3) A.
695 Advanced Diagnosis and Remediation of Reading Problems. (3) A.
697 Independent Study. (1-3) I, II.
698 Project Development. (3) A.
699 Specialist Project. (3) A.

Library Science

Phillips, J., Program Coordinator.

The major purpose of the Library Science program is to prepare school media librarians. Students may earn a minor in library science through which they can acquire an endorsement as a school media librarian. In cooperation with the Graduate School, the following programs are offered: Master of Arts in Education degree in library science, Rank II nonde-

gree fifth year program, and Rank I nondegree sixth year program.

SCHOOL MEDIA LIBRARIAN ENDORSEMENT
Minor in library science

ELEMENTARY SCHOOL MEDIA LIBRARIAN ENDORSEMENT ..... 28 hours
Students majoring in elementary education may be endorsed for the position of elementary school media librarian by completing the following courses; LIB 301, 500, 501, 502, 521, 531, 563, 569, 499.

HIGH SCHOOL MEDIA LIBRARIAN ENDORSEMENT ..... 31 hours
Students earning a certificate for classroom teaching at the high school level may be endorsed for the position of high school media librarian upon completion of the following courses: LIB 301, 500, 501, 502, 521, 531, 563, 569, 499, ESE 574.

Note: Courses will be offered on an alternating basis; students should plan carefully with their advisor to avoid delay in program completion.

Course Descriptions

LIB—Library Science

301 Children's Literature and Related Materials. (3), I, II. Prerequisites: GSE 101, 102. Survey course designed for teachers and media librarians planning to work with children. Emphasis on media to supplement the school curriculum and to encourage recreational reading for ages 1-10.

499 School Media Practicum. (4) II. Gives the trainee practical experience in many phases of school media service including circulation routines, teaching children the use of reference materials, and assisting in cataloging new books and materials. Reading guidance, story telling, and organization of unit materials are stressed.

500 Organization and Administration of the School Media Center. (3) A. Prerequisite: admission to the teacher education program. Philosophy, objectives, and administration of the media center in the elementary and secondary schools.

501 Literature and Related Materials for Adolescents. (3) A. For teachers and media librarians planning to work with adolescents. Emphasis on media to supplement the school curriculum and to encourage recreational reading for ages 11-14. Book selection, reading interests, and needs of adolescents are stressed as well as the various types of materials for use by and with adolescents.

502 Literature and Related Materials for Young Adults. (3) A. For teachers and school media librarians planning to work with young adults. Emphasis on media to supplement school curriculum and encourage recreational reading for young adults, ages 14 and up. Stresses reading interests, levels, and needs for young adults, including types of materials suitable for more mature students and problems of selection.

511 Non-Book Instructional Materials. (3) A. Selection, organization, and utilization of non-book instructional materials in school and media centers.

521 Reference. (3) A. Provides information for satisfactory use of library resources. Stresses essential reference work including dictionaries, encyclopedias, atlases, yearbooks, periodical indexes, and the more important subject and trade bibliographies.

531 Classification and Cataloging. (3) A. Fundamental principles and methods of classification and cataloging of books and related materials. Attention on classification and cataloging of books for school media centers.

563 Preparation of Instructional Media. (3) I, II. Selection and preparation of free and inexpensive materials; displays, graphics, models, bulletin-board utilization, mounting, and preserving of materials.

569 Instructional Media. (3) I, II. Philosophy and techniques of effective utilization of instructional media. Emphasis on slides, tape and disc recordings, films, filmstrips, transparencies, and the operation of equipment for presenting such media.

GRADUATE COURSES

601 School Library Practicum. (3) A.
605 Advanced Children's Literature. (3) A.
607 Library Science: _____. (1-3) A.
609 History of Books. (3) A.

Secondary and Higher Education

Hurley, C., Program Coordinator

Professional education courses and supervision of student teaching are services offered to undergraduate students preparing to be secondary school teachers. Graduate level offerings are provided in secondary, higher, and adult education.

Course Descriptions

ESE—Secondary Education

307 Clinical Experiences for Secondary Teachers. (1-3) A. Prerequisite: departmental chair approval. Provides clinical experiences, such as observations, participation, and tutoring, for prospective teachers in locations such as the learning lab. May be retaken for a maximum of 6 hours.

365 Procedures for Health Instruction. (3) I, II. Formerly HEA 365. Principals and techniques for developing and implementing worthwhile learning experiences in health education for school children. Curriculum design, materials, and teaching strategies for K-12.

366 Methods of Teaching Home Economics. (4) II. Prerequisites: EDF 202, PSY 211. Philosophy of home economics education methods of teaching in-school and out-of-school groups; selection, development, and use of instructional materials.

378 Music Education: Principles and Practices I. (3) I. Prerequisite: junior standing in music. Acquaints the student with a balanced music education curriculum in the elementary schools. Emphasis on understanding and planning a developmental sequence to assure musical growth of children in K-6.

379 Music Education: Principles and Practices II. (3) II. Prerequisite: ESE 378. Acquaints students with a balanced music education curriculum in the secondary school. Emphasis on understanding and planning a developmental sequence to assure musical growth of 7-12 grade pupils.

440 Teaching of Art in the Secondary School. (3) I, II. Prerequisite: open only to senior art students who plan to teach. Relation of adolescent maturation levels and art experiences; planning for, organization, and philosophy of art education in the secondary school.

441 Teaching of Biology in the Secondary School. (3) II. Modern materials and methods for teaching biology in secondary schools.

442 Teaching of Speech in the Secondary School. (3) A. Prerequisite: speech major or minor. Principles and practice of speech education, the relation of speech to other areas; special attention to content, materials, activities, textbooks, methods, evaluation, and problems.

443 Teaching of English in the Secondary School. (3) I, II. Prerequisite: English major or minor. Study of effective methods of introducing composition, grammar, and literature to the secondary school student; special emphasis on programming, lesson planning, and evaluating.

444 Teaching of French in the Secondary School. (3) II. Prerequisite: French major or minor. Objectives, content, and methods of teaching French in the secondary schools.

445 Teaching of German in the Secondary School. (3) II. Prerequisite: German major or minor. Objectives, content, and methods of teaching German in secondary schools.

446 Teaching of Latin in the Secondary School. (3) II. Objectives, content, and methods of teaching Latin in secondary schools.

447 Teaching of Spanish in the Secondary School. (3) II. Prerequisite: Spanish major. Objectives, content, and methods of teaching Spanish in secondary schools.

449 Teaching of Social Studies in the Secondary School. (3) I, II. Trends, objectives, teaching-learning techniques, and understanding of social studies as keys to development of understanding of social relations.

450 Teaching of Mathematics in the Secondary School. (3) I, II. Prerequisite: 18 hours college mathematics or chair approval. Historical background of the mathematics curriculum; modern curricular developments in secondary school mathematics; improvement programs for school mathematics; texts and materials.

451 Teaching of Physical Science in the Secondary School. (3) II. Prerequisite: major or minor in the physical sciences. Review of fundamentals of chemistry and physics. New techniques useful in

teaching principles of physical science in the classroom and laboratory.

452 Teaching of Industrial Arts in the Secondary School. (3) I, II. Function and objectives of industrial arts; the industrial arts curriculum; methods of presentation; planning, equipping, and organizing the laboratory; instructional materials; evaluation of student achievement.

453 The Home Economics Curriculum. (3) I, II. Prerequisite: instructor approval. Current trends in home economics programs for secondary school students, out-of-school youth, and adults; curriculum planning; organization and administration of the department; construction and use of evaluation instruments.

457 Instrumental Methods of Materials. (2) I, II. The role, objectives, and methods of instrumental music in the public schools.

458 Choral Methods and Materials. (2) I, II. The role, objectives, and methods of choral music in the public schools.

466 Teaching of Physical Education in the Secondary School. (3) I, II. The role of physical education in secondary schools; implications for the physical education curriculum, unit and lesson planning, methods and materials of teaching.

470 Materials and Methods of Teaching Typewriting. (2) A. Educational psychology and learning theory related to current methods, materials, and techniques of teaching typewriting; observation of and participation in teaching situations; measuring and evaluating student progress with special emphasis on methods of remediation.

471 Methods and Materials in Teaching Accounting and Basic Business. (2) A. Current methods, materials, and techniques of teaching basic business courses; participation in and observation of actual teaching situations; measurement and evaluation of student progress.

472 Methods and Materials in Teaching Shorthand, Transcription, and Office Practice. (2) A. Current methods, materials, and techniques of teaching; participation in and observation of actual teaching situations; various types of organizational plans for office practice; measurement and evaluation of student progress in shorthand, transcription, and office practice.

487 Teaching of Health Education in the Secondary School. (3) II. Methods, materials, and curriculum design in secondary health education; characteristics and health needs of secondary students.

498 Fundamentals of Secondary Education. (3) I, II. Prerequisite: EDF 202 or 300; 317; EPY 318. Responsible classroom teaching through experiences in study and discussion, organizing materials, directed observation, laboratory work, and other pre-student teaching laboratory experiences.

499 Supervised Student Teaching. (6-12) I, II. Prerequisite: ESE 498. Observation, participation, and responsible classroom teaching, including related professional activities. Changes from 10 to 12 hours credit effective Fall 1983.

500 The School Health Program. (3) A. Formerly HEA 500. Organizational patterns necessary for an efficient, well-coordinated health program. Interrelated roles of health services, health instruction, and healthful school living; role of the school health coordinator.

501 The Junior High School. (2) A. Origin, development, and status of the junior high school movement; its place in the public school system; aims, purposes, and objectives; evaluation of types of programs; the junior high school plant, library, and equipment.

507 Problems in Secondary Education. (1-3) A. Prerequisite: advisor/departmental chair approval. Independent work, special workshops, special topics, or seminar.

563 Occupational Programs in Home Economics. (3) A. Formerly HEC 563. Prerequisite: instructor approval. Development of occupational programs in vocational home economics, including philosophy, curriculum, space, and equipment needs, teaching methods and materials, program evaluation, and federal-state funding.

564 History and Philosophy of Industrial Education. (3) A. Formerly IET 564. History of industrial education from its early beginnings to the present; the contributions of leaders; movements in the development of industrial and vocational education, modern concepts of industrial education.

565 Workshop in Home Economics Education. (1-3) A. Formerly HEC 565. Prerequisite: instructor approval. Concentrated work on a current aspect in vocational home economics. May be retaken for a maximum of 6 hours.

566 Special Problems in Home Economics Education. (1-3) I, II, S. Formerly HEC 566. Prerequisite: instructor approval. The student chooses a problem and works under the supervision of the instructor. May be retaken by graduate students for a maximum of 6 hours.

574 Teaching Reading in the Secondary School. (3) A. Prerequisite: EDF 317 and admission to teacher education program. Emphasis on developmental and content area reading, reading skills. Appraisal of reading abilities, appropriate materials, evaluation, and organization of secondary reading programs.

578 Music in Special Education. (3) A. Formerly MUS 578. Prerequisite for non-music majors; MUS 360 and ELE 362 or instructor approval. Music in education of the handicapped and the gifted. Exploration and development of special teaching techniques and resources.

GRADUATE COURSES

602 Art Program in the Public School. (3) A.
604 Tests and Measurements in Business Education. (3) A.
606 Current Principles, Trends, and Issues in Business Education. (3) A.
607 Secondary Education: _____. (1-3) A.
610 Improvement of Instruction in Shorthand and Transcription. (3) A.
611 Humanistic Teaching-Strategies and Behaviors. (3) I, II.
612 Curriculum Theory and Development. (3) II.
620 Improvement of Instruction in Typewriting. (3) A.
635 Improvement of Instruction in Accounting and Basic Business. (3) A.
641 Methods and Materials for Science Education. (3) A.
642 Administration and Supervision in Business Education. (2) I.
643 Trends and Materials in the Teaching of English. (3) A.
649 Trends and Materials in Social Studies. (3) A.
650 Trends and Materials in the Teaching of Mathematics. (3) A.
655 Gifted and Talented Youth. (3) A.
656 Curriculum in Gifted/Talented Education. (3) A.
657 Seminar: Gifted/Talented Education. (3) A.
658 Practicum in Gifted/Talented Education. (3) A.
660 Curriculum Development in Home Economics. (3) A.
661 Supervision of Home Economics. (3) A.
662 Philosophy of Home Economics Education. (3) A.
663 Secondary School Curriculum. (3) II.
665 Seminar in Home Economics Education. (1-3) A.
666 Curriculum Design in Physical Education. (3) I.
667 Evaluation in Home Economics Education. (3) A.
668 Research in Home Economics Education. (1-6) A.
671 Special Problems in Industrial Arts Education. (1-6) A.
672 Curriculum Practices and Trends in Industrial Education. (3) I.
673 Seminar in Industrial Arts Education. (3) A.
674 Supervision & Administration in Music Education. (3) A.
675 Current Trends in Secondary Music. (2) A.
676 Current Trends in Elementary Music. (2) A.
677 Practicum in Remedial Reading. (3) A.
678 Principles of Music Education. (3) I.
679 Foundations of Music Education. (3) II.
680 Problems in Music Education. (1-3) I, II.
681 Workshop in Music Education. (1-4) Summer only.
682 Curriculum Development in Music Education. (3) A.
684 Organization & Administration of Instrumental Music. (2) A.
687 Curriculum Improvement in School Health Education. (3) A.
690 Field Experiences in Secondary Education. (1-3) A.
698 Project Development. (3) A.
699 Specialist Project. (3) A.

EHE—Higher Education

607 Problems in Higher Education. (1-3) A.
680 Organization and Supervision of Student Teaching. (3) I.
690 College Teaching. (3) II.
691 The Community Junior College. (3) A.
695 Perspectives in Higher Education. (3) I.
697 Curriculum in Higher Education. (3) A.
698 Seminar in College Teaching. (1) I, II.
699 Practicum in Higher Education. (3) I, II.

EAE—Adult Education

516 Community Education. (3) A. Introductory course designed to provide the student with an overview of the concept, purpose, and process of community education.

LABORATORY SCHOOL

Henderson, S., Director; Bonar, B., Assistant Director; Birdd, Boner, Butler, Carr, Combs, Daniel, Daugherty, Dickinson, Furr, Graham, Hayes, Hays, Hoffmann, Isaacs, James, Kearns, Kincer, Lane, Lichty, Liner, Martin, McCullough, Middlebrook, Mills, Moran, Roberts, Roy, Ryoti, Sowders, Strange, Strubbe, Stull, Terango, Tosolini, Turner, Vance, Walker, Wavering, Wrenn.

Model Laboratory School is operated as a department in the College of Education and fulfills several basic purposes: (1) to provide quality and innovative education for its students, N-12; (2) to provide preservice education for prospective teachers in the College; (3) to provide inservice education for area school systems; (4) to serve as an experimental testing ground for curriculum development and dissemination; (5) to provide a setting for research.

Organized into three sections (early childhood/elementary, middle school, high school), the school serves approximately 750 students and employs a full-time staff of 42 faculty. Model is located on the campus of Eastern Kentucky University in the Donovan Building which was occupied in 1961.

DEPARTMENT OF
SPECIAL EDUCATION

Sultana, Q., Chair; Bolling, Carr, Dyson, Eldot, Greenough, Hourcade, Irwin, Leung, Meckler, Thompson, Vogel, Waters, Wilson.

The Department of Special Education prepares special education teachers, speech pathologists, and personnel who work in a variety of related settings. Programs are offered leading to B.S. degrees in three areas of special education (learning and behavior disorders, trainable mentally handicapped, hearing impaired) and in communication disorders.

The B.S. in special education entitles the graduate to a provisional teaching certificate K-12 in the area of specialization and a provisional teaching certificate for the elementary classroom grades 1-8. The areas of specialization include learning and behavior disorders, trainable mentally handicapped, and hearing impaired. The B.S. in special education with a specialization in hearing impaired is also available in combination with a secondary teaching major. Communication disorders is a specialization but does not lead to elementary certification.

Fifth and sixth year programs are offered which lead to certification. Teacher consultant and director of special education are offered in the sixth year program. Graduate programs are offered leading to the Master of Arts in Education and Specialist in Education degrees in special education.

ROY MECKLER, Program Coordinator for L&BD and TMH programs;
MARGO WILSON, Program Coordinator for Communication Disorders and Hearing Impaired programs.

Special Education

MAJOR, SPECIALIZATION IN LEARNING AND BEHAVIOR DISORDERS, BACHELOR OF SCIENCE

Special Education Requirements ..... **39 hours**
SED 104, 260, 271, 341, 351, 356, 375, 388, 434, 438, 499, 518.
Elementary Education Requirements..... **33 hours**
ELE 356, 360, 361, 362, 475, 498, 499, 519, 550, 560.
Supporting Course Requirements ..... **21 hours**
EDF 102, 202, 317, MAT 201, 202, LIB 301, EPY 318, MUS 360.
General Education Requirements..... **49 hours**
Standard General Education program, excluding course categories 03 and 04. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **142 hours**

Special Education

MAJOR, SPECIALIZATION IN TRAINABLE MENTALLY HANDICAPPED, BACHELOR OF SCIENCE

Special Education Requirements ..... **39 hours**
SED 104, 260, 272, 341, 353, 356, 375, 388, 435, 438, 499, 518.
Elementary Education Requirements..... **33 hours**
ELE 356, 360, 361, 362, 475, 498, 499, 519, 550, 560.
Supporting Course Requirements ..... **21 hours**
EDF 102, 202, 317, MAT 201, 202, LIB 301, EPY 318, MUS 360.
General Education Requirements..... **49 hours**
Standard General Education program, excluding course categories 03 and 04. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **142 hours**

Special Education

MAJOR, SPECIALIZATION IN HEARING IMPAIRED, BACHELOR OF SCIENCE

Special Education Requirements ..... **51 hours**
SED 104, 240, 260, 337, 338, 354, 356, 375, 380, 388, 438, 499, 518, 581, 582, 583.
Elementary Education Requirements..... **33 hours**
ELE 356, 360, 361, 362, 475, 498, 499, 519, 550, 560.
Supporting Course Requirements ..... **21 hours**
EDF 102, 202, 317, EPY 318, MAT 201, 202, LIB 301, MUS 360.
General Education Requirements..... **49 hours**
Standard General Education program, excluding course categories 03 and 04. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **154 hours**

Special Education

MAJOR, SPECIALIZATION IN COMMUNICATION DISORDERS, (TEACHING AND NON-TEACHING), BACHELOR OF SCIENCE

Major Requirements ..... **45 or 58 hours**
Teaching..... 58 hours
SED 104, 250, 275, 285, 360, 365, 372, 373, 374, 380, 474, 476, 485, 491, 492, 499 (10 hours), 565, 587.
Non-Teaching..... 45 hours
SED 104, 250, 275, 285, 360, 365, 372, 373, 374, 380, 474, 476, 485, 565, 587.
Supporting Course Requirements ..... **28 hours**
(Teaching and Non-Teaching) BIO 171; 301 or 303 or 371; EDF 102; 202; 317; MAT 100 or 107 or 191; PHY 101 or GSC 171; PSY 211; PSY 312 or 314; SPE 100.
General Education Requirements..... **46 hours**
Standard General Education program, excluding course categories 13, 14, and 15. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives (Non-Teaching only) ..... **9 hours**
Total Curriculum Requirements
Teaching..... **132 hours**
Non-Teaching..... **128 hours**

Special Education (Non-Teaching)

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **36 hours**
SED 104, 260, 341, 356, 375 (no more than 9 hours), 388, 438, 518.
For an emphasis in LBD: SED 271, 351.
For an emphasis in TMH: SED 272, 353.
For an emphasis in HI: SED 337, 380.

Supporting Course Requirements ..... **12 hours**
EDF 317, EPY 318 (6 hours).
Six hours from the following: REC 311, REC 511, PHE 562, ESE 578.
Minor Requirements ..... **18 hours**
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **7 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN SPECIAL EDUCATION

Planned 18 semester hours under special education advisement. The planned program will be consistent with student's professional objectives. Prerequisites must be honored. Candidates should contact the department for specific requirements of the minor.

Course Descriptions

SED—Special Education

104 Special Education Introduction. (3) I, II. Complete overview of conditions of exceptional city children. Systematic observation of and contact with exceptional children. Systematic observations of special education settings. 3 Lec/Lab.

240 Communication Skills for the Hearing Impaired. (3) A. Prerequisite: SED 104 or instructor approval. Basic principles of manual communication and fingerspelling. Builds an expressive and receptive vocabulary of at least 1,000 signs to enable communication with individuals who use total communication. 3 Lec/Lab.

250 Phonetics of Normal and Defective Speech. (3) I. Study of the articulatory postures and movements used to produce standard English and defective sounds. Introduction of the International Phonetic Alphabet and practice in using it to transcribe both normal and defective speech.

260 Language and Speech Disorders of Exceptional Children. (3) I, II. Prerequisite: SED 104 or instructor approval. Acquisition of normal language and speech in our multicultural society. Identification and educational management of language and speech disorders in exceptional children.

271 Characteristics of Learning and Behavior Problems. (3) I, II. Prerequisite: SED 104 or instructor approval. Handicapping conditions due to physical, sensory, motor, intellectual, or emotional problems. Characteristics of educable mental retardation, learning disabilities, emotional disturbance (behavior disordered), physically handicapped. Utilization of prosthetic devices.

272 The Trainable and Severely Mentally Handicapped. (3) II. Prerequisite: SED 104 or instructor approval. Emphasis on moderate, severe, and profound mental retardation. Characteristics of moderate and severe retardation; theories of intelligence; adaptive behavior; etiology; history; residential programs; educational, social, psychological implications.

275 Communication Disorders: a Survey. (3) I. Introduction to the nature and causes of speech, language, and hearing disorders.

285 Anatomy and Physiology of Speech and Hearing Mechanism. (3) II. Prerequisite: SED 275, BIO 171, or instructor approval. Introduction to the anatomical and physiological bases of phonation, resonation, articulation, respiration, and hearing.

337 Education of the Hearing Impaired. (3) A. Prerequisite: SED 104 or instructor approval. Study of personality, intellectual, and emotional development of the hearing impaired. Emphasis on social maturity, motor functioning, multiple handicaps and the significant history of educational programs at all levels.

338 Language for the Hearing Impaired. (3) A. Prerequisite: SED 260 or instructor approval. Principles and techniques for language development with deaf children. Study of English sentence construction and principles of grammar with emphasis on Fitzgerald Straight Language and Natural Language systems.

339 Intermediate Communication Skills. (3) A. Formerly SED 633. Prerequisite: SED 240 or instructor approval. Consideration of sign language and fingerspelling theory and research. Development of manual communication, signed English and fingerspelling receptive and expressive skills.

341 Behavior Management. (3) I, II. Prerequisite: SED 104 or instructor approval. Techniques of behavioral management of exceptional students in special education settings. Applied behavior analysis and intervention. Taken with SED 375 and 434 or 435 by L&BD and TMH majors.

351 Special Educational Assessment. (3) I, II. Prerequisite: SED 271, 260, or instructor approval. Principles and application of educational assessment of learning and behavior disordered students. Educational interpretation of assessment outcomes.

353 Assessment of Trainable Mentally Handicapped Students. (3) I. Prerequisite: SED 272 or instructor approval. Principles and application of psychological and educational assessment of trainable and severely mentally handicapped students. Educational interpretation of assessment results.

354 Assessment of Hearing Impaired Children. (3) A. Prerequisite: SED 240, 260, or instructor approval. Principles and application of educational assessment of hearing impaired and deaf children. Educational interpretation of assessment outcomes.

356 Special Education Methods and Materials (3) I, II. Prerequisites: SED 351, 353, 354, or instructor approval. Curriculum development for exceptional individuals; instructional methodologies for the content areas, adaptive physical education; utilization of prosthetic devices; implementation and evaluation of instructional and management programs; utilization of media; development of special education instructional materials.

360 Speech and Language Development. (3) I. Normal speech and language acquisition; basic linguistic concepts and theories; language deviance/difference.

365 Language Disorders. (3) I. Prerequisite: SED 275, 360, or instructor approval. Methods of assessing language content/form/use. Assessment techniques will include standardized tests, language sampling and analysis, and observational techniques and scales.

372 Diagnostic & Management Techniques in Communication Disorders. (3) II. Prerequisite: SED 275, 250. Survey and application of diagnostic and management techniques, procedures for client evaluation, program planning and implementation. Laboratory and observation experiences may be required.

373 Speech Pathology: Articulation. (3) II. Prerequisite: SED 250, 275, 360. Characteristics and principles of diagnosis and treatment of articulation problems. Observation arranged.

374 Practicum in Speech Pathology. (2) I, II. Prerequisite: SED 372, 373, and 2.8 GPA in major or instructor approval. Supervised clinical practice in communication disorders. Repeatable.

375 Practicum in Special Education. (3-6) I, II. Prerequisite: departmental approval. A supervised pre-student teaching practicum. Educational assessment, behavior management, and individual educational planning (IEP).

380 Introduction to Clinical Audiology. (3) A. Physics of sound; anatomy, physiology, pathology, and medical treatment of the auditory system; introduction to the audiometer; basic puretone and speech (auditory) testing.

388 The Handicapped in Career Education Programs. (3) A. Preparation of handicapped and disadvantaged pupils for industrial, agricultural, home economics, business, and technical education settings.

434 Prescriptive Programming for Learning and Behavior Disordered Children. (3) I, II. Prerequisites: SED 351, 356, or instructor approval. Curriculum design, analysis, and application of instructional materials for learning and behavior disordered students. Design, implementation, and evaluation of individualized programs based upon educationally relevant characteristics of learning and behavior disordered students.

SED—Special Education

435 Prescriptive Programming for Trainable Mentally Handicapped Students. (3) I. Prerequisites: 353, 356, or instructor approval. Curriculum design, analysis, and application of instructional materials for trainable mentally handicapped students. Design, implementation, and evaluation of individualized programs based upon educationally relevant characteristics of trainable mentally handicapped students.

438 Special Education Instructional Programs. (3) I, II. Working with parents of exceptional children. Roles and procedures of the special education teacher in resource room programs, self-contained classrooms, and itinerant settings. Special education planning, scheduling, program evaluation, and program development.

474 Advanced Practicum in Speech Pathology. (2) I, II. Prerequisite: SED 374 and instructor approval. Advanced supervised clinical practice in communication disorders. Repeatable.

476 Speech Pathology: Fluency and Phonation Disorders. (3) I. Prerequisites: SED 285, 373. Lectures and selected readings; basic knowledge of speech disfluency and phonation disorders in terms of etiology, theory, assessment, therapy, and prognosis.

477 Practicum in Audiology. (1-2) I, II. Prerequisite: instructor approval. Supervised clinical practice in audiology. Repeatable.

485 Audiometry. (3) I. Prerequisite: SED 380. Practical experience with traditional pure-tone and speech (auditory) testing and with special diagnostic assessment of adults and children; effective masking principles, calibration of audiometers, and analyzing and interpreting audiological results. Lec/Lab.

491 Public School Methods in Communication Disorders. (3) I, II. Prerequisite: advisor approval. Organization, materials, and methods of administering speech and hearing programs in public schools.

492 Public School Practicum in Communication Disorders. (2) A. Diagnostic practicum experiences; screening of normal, exceptional, and multicultural populations.

499 Supervised Student Teaching in Special Education. (6-10) I, II. Prerequisite: advisor approval. Observation, participation, and teaching or clinical work in the special educational situation in the selected area of exceptionality.

507 Problems in Special Education. (1-3) A. Prerequisite: advisor/departmental chair approval. School-related work, special workshops, special seminars. May be retaken with different descriptions.

518 Special Education Early Childhood Programs (3) I, II. Prerequisites: SED 104 or 575, SED 260, or instructor's approval. Curriculum development and modifications for preschool exceptional children; concept and social development of preschool exceptional children.

565. Seminar: Language Disorders. (3) II. Prerequisite: SED 360, 365. Study of language impairment and principles of remediation.

570 Directed Study in Speech Pathology. (1-3) A. Directed projects in speech pathology. Project proposal must be submitted 1 semester in advance. Departmental permission required.

574 Field Experiences with Exceptional Children. (3) A. Prerequisite: departmental chair approval. A practicum experience with exceptional children; behavior management, educational assessment, and individual educational planning (IEP).

575 Nature and Needs of Exceptional Students. (3) A. Overview of special education including characteristics, definitions, programming, and supporting research. Open to non-majors.

576 Introduction to Special Education Assessment. (3) A. Prerequisite: SED 575 or instructor approval. Principles of tests and measurements. Application to exceptional students. Test administration, scoring, and interpretation applied to L&BD, HI, and TMH. Application of assessment data to interdisciplinary teams.

577 Mental Retardation (3) A. Prerequisite: SED 575 or instructor approval. Mental retardation as an educational, psychological, and sociological phenomenon. Definitions, characteristics, theoretical foundations, and programmatic approaches.

578 Behavior Disorders. (3) A. Prerequisite: SED 575 or instructor approval. Behavior disorders and/or emotional disturbances as an educational, psychological, and sociological phenomenon. Definitions, characteristics, theoretical foundations, programmatic approaches.

579 Learning Disabilities. (3) A. Prerequisite: SED 575 or instructor approval. Definition, description, and assessment of learning disabilities. Emphasis on theories related to specific teaching methodologies. Behavioral, perceptual, conceptual, sensory, motor, and language correlates of learning disabilities.

580 Directed Study in Audiology. (1-3) A. Directed projects in audiology. Project proposal must be submitted 1 semester in advance. Departmental permission required.

581 Speech for the Hearing Impaired. (3) A. Prerequisite: SED 260 or instructor approval. Phonological development, acoustic articulation, rhythm, phrasing, accent, fluency, effects of impairment on speech, speech reading, auditory training.

582 Reading, Curriculum and Academic Subjects for the Hearing Impaired. (3) A. Prerequisite: ELE 550 and SED 581 or instructor approval. Design, implementation, and evaluation of HI-IEPs including reading, mathematics, science, social studies, physical education, music, speech language, aural rehabilitation, early childhood, career education, and educational media.

583 The Teacher of the Hearing Impaired. (3) A. Prerequisite: instructor approval. Taken the semester prior to SED 499 or SED 697. Functional approaches to responsible teaching in hearing impaired classrooms through study, discussion, directed observation, tutoring, teacher aiding, materials preparation, and laboratory experiences.

587 Aural Rehabilitation. (3) II. Prerequisite: SED 485. Hearing aid evaluation, dispensing, and orientation; audiology in private practice; importance of auditory, visual, tactile-kinesthetic perception; management and improvement of speech production; educational audiology; speechreading and auditory training; importance of parental participation.

590 Behavior Modification in School Settings. (3) A. Prerequisite: SED 575 or instructor approval. Behavior analysis applied to classroom and instructional management. Development of skills in data collection, intervention procedures, and evaluation of behavior change.

593 Teaching Students with Behavior and Learning Disorders. (3) A. Prerequisite: SED 575, 576, 578 or 579 or instructor approval. Diagnostic-prescriptive methods and materials used with L&BD students. Material and program evaluation techniques. Adaptation of career education and physical education included. Methods for teaching reading, writing, arithmetic, science, and social studies are covered.

GRADUATE COURSES

602 Psychology of Exceptionality. (3) A.

603 Advanced Special Education Assessment. (3) A

604 Educational Management of Learning and Behavior Disordered Students. (3) A.

605 Roles of Special Education Teachers. (3) A.

606 Educational Management for the Trainable Mentally Handicapped. (3) A.

607 Special Education: _____. (1-3) A.

608 Multihandicapped Hearing Impaired Children. (3) A.

609 Diagnostic/Prescriptive Teaching of the Hearing Impaired. (3) A.

611 Special Education Curriculum Development. (3) A.

612 Special Education Leadership Development. (3) A.

613 Field Work for Teacher Consultants of Special Education. (3) A

615 Administration of Special Education. (3) A.

617 Field Work for Directors of Special Education. (3) A.

620 Language Disorders of Exceptional Children. (3) A.

630 Survey of Education for the Hearing Impaired. (3) A.

631 Advanced Speech for the Hearing Impaired. (3) A.

632 Advanced Language for the Hearing Impaired. (3) A.

664 Graduate Practicum: Audiology. (1-3) I, II.

668 Advanced Clinical Audiology. (3) A.

669 Habilitative/Rehabilitative Procedures in Audiology. (3) A.

673 Seminar: Articulation Disorders. (3) A.

674 Graduate Practicum: Speech Pathology. (1-3) I, II.

675 Seminar: Aphasia. (3) A.

676 Seminar: Phonation Disorders. (3) A.

677 Seminar: Fluency Disorders. (3) A.

678 Cleft Palate and Cerebral Palsy. (3) A.

686 Seminar in Special Education. (3) A.

697 Practicum in Special Education. (3-6) A.

698 Project Development. (3) A.

699 Specialist Project. (3) A.

COLLEGE OF HEALTH, PHYSICAL EDUCATION, RECREATION, AND ATHLETICS

RUSSELL M. BOGUE, Dean

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Contemporary American society's concern for leisure, recreation alternatives, fitness, and healthful living is manifested by the expansion of vocations associated with these human needs and documented by the media's attention to these topics. The College of Health, Physical Education, Recreation, and Athletics has as a central focus the preparation of professionals to serve the public in these areas. Providing opportunities for enjoyment of leisure and the development of skills and habits necessary for full participation in healthful living are equally significant College functions. The utilization of all human resources in a complex technological society demands the full development of human potential.

PHILOSOPHY

The college recognizes the commonalities and interrelationships in an alliance of the disciplines of health, physical education, and recreation, and the area of athletics. In view of this, the college gives emphasis to the human factors involved in movement, mental and physical well-being, leisure, and skilled motor performance. These human factors are inextricably a part of the cognitive, affective, and psychomotor domains of the human being. The college acknowledges the need for the development and maintenance of a healthy human body that can respond effectively to the increasing demands of an ever-changing multi-faceted society.

PURPOSES

The College of Health, Physical Education, Recreation, and Athletics has the following purposes: (1) to provide a general education program in health, physical education, and recreation that will fulfill the general education needs of Eastern's students; (2) to provide instruction and well designed curriculums for academic majors in health, physical education, and recreation in preparing them for professional and pre-professional fields; (3) to organize and maintain a program of intramurals, recreation free-play, and club sports for students, staff, and faculty; (4) to develop and maintain a sound competitive program of intercollegiate athletics; (5) to provide public service throughout the community, region and state; and (6) to encourage and conduct research for improvement of instruction and advancement of knowledge in the professions of health, physical education, recreation, and athletics.

FUNCTIONS

The programs in the College of Health, Physical Education, Recreation, and Athletics function to achieve the following:

(1) Provide courses of study for academic majors in the health, physical education and recreation fields and to offer programs to prepare students for professional and pre-professional fields;

(2) Provide selected general education courses in health and physical education;

(3) Provide a program of academic advising for students majoring in programs within the college;

(4) Provide academic specialization for students in teacher certification programs and to provide supporting courses for students majoring in other fields;

(5) Develop interdisciplinary programs/courses, both inter- and intracollege in nature;

(6) Improve the teacher-learning relationship through improvement of instruction, utilization of available resources, and academic program review and evaluation;

(7) Serve the community and region through extension offerings and public service;

(8) Engage in research to advance knowledge and enhance the primary function of instruction;

(9) Provide adequate and effective programs of intramural, sports clubs and recreational activities to meet the leisure and competitive needs of students and faculty; and

(10) Develop and maintain programs of intercollegiate athletics.

DEGREE PROGRAMS

Through its departments, the College offers three baccalaureate degree programs and a two-year Associate of Science curricula for undergraduate students. At the graduate level, the College offers Master of Science degrees in physical education, including a sports administration option, and recreation and park administration.

CHO 100 Academic Orientation. (1) I. Designed to orient the student to University academic life and provide information on careers and preparation for them. Learning experiences include study of university regulations, college requirements, catalog, registration, career opportunities, and program requirements. Not open to students with more than 30 semester hours.

DEPARTMENT OF HEALTH EDUCATION

The Department provides specialized courses in health education at the graduate and undergraduate level. At the undergraduate level, the Department offers a Bachelor of Science in health education, with an option in school health or community health. A student may major or minor in either option. The graduate courses support the Master of Arts in Education degrees offered in the College of Education with an option in school health and allied health sciences education and the Master of Public Administration degree offered in the College of Social and Behavioral Sciences. The School Health emphasis is designed for teachers certified in the public schools who wish to enrich their educational background or become certified to teach health education in the public schools. The emphasis in allied health sciences education was established in response to the demand for qualified educators in the allied health fields. The intent of the program is to prepare allied health personnel to assume teaching roles in their areas of competencies. The Department offers an option in health administration in the Master of Public Administration degree. The purpose of this option is

to prepare administrators who have health or health education as a component of their administrative responsibilities. Also, in conjunction with the College of Education, the Department offers two graduate non-degree programs in school health: Rank II (Fifth Year) and Rank I (Sixth Year).

DEPARTMENT OF PHYSICAL EDUCATION

The Department offers two degree programs—the Bachelor of Science in physical education for undergraduate students and the Master of Science in physical education for graduate students.

There are six options within the Bachelor of Science degree curriculum. Students majoring in physical education may elect the curriculum option most suited to their professional and career goals.

The Master of Science degree in physical education with an option is offered for qualified graduate students. These programs, admission standards, and curriculum requirements are given in the Graduate Catalog.

The Department offers courses for College of Education students who are completing Rank II (Fifth Year) or Rank I (Sixth Year) program in physical education. Courses are also provided for students enrolled in Master of Arts in Education and Specialist in Education degree programs with an option in physical education. For details, refer to the College of Education section of the Graduate Catalog.

DEPARTMENT OF RECREATION AND PARK ADMINISTRATION

The Department offers two undergraduate degree programs and a graduate degree program. The curricula are an interdisciplinary approach to develop students for specific job employment whereby they receive training dealing with communications, human and natural resources, cultural and physical activities, and management skills. The focus is upon planning, organizing, and administering recreation programs and park services in a variety of settings.

The two-year Associate of Science degree program in recreation and park leadership is designed to prepare students for beginning entry level positions. The program requires students to develop practical skills needed for semi-professional recreation employment.

The four year Bachelor of Science degree program in recreation and park administration is designed to prepare students for beginning supervisory and administrative roles in recreation and park agencies. Major core and supporting interdisciplinary course requirements prepare students in knowledge and techniques essential to leadership in recreation administration. The major require students either to complete a minor in a related field or a designated supporting interdisciplinary program.

The graduate Master of Science degree program in recreation and park administration offers concentrated study and practical participation in the areas of recreation and park administration, camping and outdoor recreation and thereapeutic recreation. See the Graduate Catalog for details.

A minor in recreation is offered to students majoring in other disciplines which will help prepare them for employment with recreation agencies in positions as park rangers, park planners, and commercial recreation leaders.

PLANNED CURRICULUM

Upon completion of 60 hours, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by consulting the faculty advisor in the major department. Teaching majors must have been admitted to the Teacher Education Program prior to the preparation of a planned curriculum. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor.

APPLICATION FOR GRADUATION

Students must file an application for graduation in the dean's office no later than April 30 for December graduation and no later than October 31 for either May or August graduation. It will be the student's own responsibility to plan and register for the proper courses to meet all graduation requirements.

GRADUATE COURSE CREDIT

Courses numbered in the 500 series are open to seniors and graduate students who meet course and program prerequisites. *Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates.* Courses numbered in the 600 series are open only to graduate students.

INTERCOLLEGIATE ATHLETICS
Donald G. Combs, Athletic Director
Martha Mullins, Asst. Athletic Director

Intercollegiate athletics is an integral part of total College efforts in student development at Eastern. Experiences in athletics contribute immeasurably to the vitality and preparation of men and women for leaderhsip positions in communities, in schools, and in other agencies throughout the Commonwealth and the nation.

The University provides 15 varsity sports within the Department of Intercollegiate Athletics. Varsity competition is organized within the National Collegiate Athletic Association, and Ohio Valley Conference.

Eastern historically has been recognized for its competitive teams and its contribution to preparation of coaches, athletes, trainers, and other educational athletic professionals. Its athletes have won many individual national honors, and an impressive number have gone on to compete on national or professional teams.

Physical facilities for intercollegiate sport have kept pace with the success of teams. The support of the alumni and the community has proved to be a significant element in the continuing progress of program development.

DEPARTMENT OF

HEALTH, PHYSICAL EDUCATION, RECREATION AND ATHLETIC SERVICES

Darling, Fred E., Chair; Deck, Hensley, Hissom, Jennings, Schindele, Washington.

The Department of HPER&A Services offers three programs for colleges within the University. The General Physical Education Program (HPR 180-181), the elective Lifetime Activity Series (HPR 390), and the Intramural Recreational Sports Program.

General Physical Education

John M. Deck, Coordinator

Basic Physical Education (HPR 180-181) is the Department's unique contribution to general education, the non-specialized, non-vocational component of education which should be commonly possessed by all. General Education is designed to provide an integrated view of reality in order for the individual to more fully comprehend the external world and function more effectively in a society constantly being changed by technology and science. Appreciating and taking part in some form of creative activity; using leisure hours in a worthy way; and helping the individual further sound physical and mental health for himself, his home, and others are some of the variety of values which General Education strives to achieve.

Recognizing the unity of mind and body, the General Physical Education program is concerned with the students' total development through planned experiences, primarily physical in outward manifestation, but mental, emotional, social, and moral in relationships and meanings.

Specifically, the objectives of the General Physical Education program are to help students:

1. Promote the achievement and maintenance of organic efficiency;
2. Develop an understanding of the basic principles involved in physiological development and maintenance;
3. Acquire fundamental physical skills for recreation, safety, survival, self-expression, and esthetic creativity;
4. Develop knowledge of the rules, strategies, techniques, customs, and historical development of selected recreational sports;
5. Develop attitudes and understanding which lead to acceptance of ethical, moral, and social standards of conduct in competitive-cooperative situations;
6. Develop an intelligent attitude toward the need for the benefits of regular physical activity in our changing culture;
7. Find healthful, satisfying release from tensions; and
8. Utilize leisure hours in a worthy way through satisfying recreational activities that contribute to physical, mental, and emotional well-being.

Course Description

HPR—General Physical Education

180 Basic Physical Education. (1) I, II. A combination of lecture, assigned readings, and selected activities. Includes an interpretation of scientific data regarding the need for and biophysical values of muscular activities.

ACTIVITIES

Swimming for Non-Swimmers	Fencing
Beginning Swimming	Physical Maintenance
Advanced Beginning Swimming	Weight Training
Intermediate Swimming	Jogging
Advanced Swimming	Cycling
Lifesaving	Modern Dance
Synchronized Swimming	Advanced Modern Dance
Water Polo	Basic Ballet
Springboard Diving	Advanced Basic Ballet
Golf	Dancercise
Tennis	Jazz Dance
Intermediate Tennis	American and International Folk
Body Form and Function	Dance
Racquetball	Ballroom and Disco Dance
Volleyball	Basic Canoeing
Bowling	Basic Rock Climbing
Archery	Hiking
Badminton	Soccer
Track and Field	Basketball
Gymnastics	Field Hockey
Rings, Parrallel, and High Bar	Lacrosse
Softball	Bait and Fly Casting
Flag Football	Rope Jumping
	Adapted Physical Education

181 Basic Physical Education. (1) I, II. A continuation of HPR 180. May not be taken with HPR 180 during the same semester.

Lifetime Activity Series

Lifetime Activity Series courses were developed as an extension of HPR 180-181, so students could elect courses which will prepare them in a variety, or at a more advanced level for lifetime activities.

Basically these courses are designed to:

1. Teach new or intermediate skills in physical activities that will continue to be a part of lifetime leisure patterns.
2. Teach activities that will contribute to knowledge, appreciation, and the maintenance of good health and physical fitness that is so important in life.
3. Teach activities that can be participated in as an individual or with others and will contribute to individual or family life.

Course Descriptions

HPR—Lifetime Activity Series

390 Lifetime Activity Series. (1-2) I, II. Prerequisite: HPR 180-181 or equivalent. This course may be repeated but credit will not be awarded for more than 6 hours, or for lifetime activities with same subtitle. A series of courses requiring assigned readings, practice, and demonstration of new or intermediate skills which contribute to worthy use of leisure, wholesome recreation, and maintenance of physical health. Students may enroll in up to 3 hours of lifetime activity courses each semester.

Intramural Recreational Sports

M. Wayne Jennings, Coordinator

The Intramural Recreational Sports Office provides an ex-

tensive physical recreational program to meet the needs of the entire University community. The programs include competitive play in eight team sports and 14 dual and individual sports for men and women students. League and tournament play are conducted to arrive at divisional champions in fraternity, residence hall, independent, sorority and women division.

Informal recreation is scheduled to permit students to choose their own activities and level of competition at the times most convenient to them. Over 40 hours of supervised time is available in three major facilities each week.

Sport Clubs provide students with special skills and interests an opportunity to participate extramurally in both competitive and non-competitive situations. These clubs, which are student organized and conducted, are assisted by the Office of Intramural Recreational Sports. The number of clubs varies from year to year, according to student interest.

Eight competitive activities are offered in the Co-ed Sports Program. These activities offer men and women the opportunity to develop positive relationships through cooperating and competing with and against each other in sports.

Through the Outdoor Equipment Rental Program, members of the University Community can rent camping equipment for nominal fees. This allows them to enjoy the beautiful weather and scenery found within the Commonwealth.

One-day special events such as the "All Nighter" and "Fun Run" are scheduled periodically throughout the year to provide additional social and recreational opportunities for the University community.

The faculty and staff of the University are encouraged to receive the benefits of physical recreation. A competitive program is offered for the faculty, as well as informal recreation and special events.

DEPARTMENT OF

HEALTH EDUCATION

Bush, H., Chair; Baugh, Blankenship, Cahill, Calitri, Erdmann, Green, Higgins, Ison, Jones, Ramsdell, Tanara, Thompson, Ward.

The purposes of the Department of Health Education are to provide programs in health education, with a major or minor in school health education and a major or minor in community health education. The Department also teaches Personal and Community Health (HEA 281) as a part of the General Education component for all students.

Health Education

MAJOR, WITH AN EMPHASIS ON SCHOOL HEALTH (TEACHING), BACHELOR OF SCIENCE

Major Requirements ..... **30 hours**
HEA 290, 450, 555, 575, ESE 500, plus 15 hours selected from HEA 202 or 302; 203; 315; 345; 375; 380; 390; 590; NFA 201; PHE 315.
Supporting Course Requirements ..... **52 hours**
BIO 301, 378; EDF 102, 202, 317; EPY 318; ESE 487, 498, 499.
General Education Requirements..... **51 hours**
Standard General Education program, excluding course category 13. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **133 hours**

MINOR IN HEALTH EDUCATION WITH AN EMPHASIS ON SCHOOL HEALTH (TEACHING)

Minor Requirements ..... **21 hours**
HEA 290 and ESE 365, plus 15 hours selected from HEA 202 or 302; 203; 315; 345; 375; 380; 390; 555; 590; NFA 201.

Health Education

MAJOR, WITH AN EMPHASIS ON COMMUNITY HEALTH (NON-TEACHING), BACHELOR OF SCIENCE

Major Requirements ..... **40 hours**
HEA 290, 360, 440, 450, 463, 516, 555; plus 18 hours selected from HEA 202 or 302, 203, 315, 345, 375, 380, 498, 590; SOC 353; ESE 365 or 500.
Supporting Course Requirements ..... **10 hours**
BIO 301, BIO 378; NFA 201; LIB 569.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **23 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN HEALTH EDUCATION WITH AN EMPHASIS ON COMMUNITY HEALTH (NON-TEACHING)

Minor Requirements ..... **18 hours**
HEA 290, 315, 360, 450, 516, 555.

Course Descriptions

HEA—Health Education

202 Safety and First Aid. (2) I, II. Accident problems in the home, school, recreation, at work, and on the highways. Lecture and practical instruction in meeting emergencies of all types with emphasis on methods of rescue, breathing, bleeding, poisons, burns, and shock.

203 Respiratory and Circulatory Emergencies (CPR). (1) I, II. Methods involved in the performance of cardio-pulmonary resuscitation, following American Red Cross Modular System. Completion of class certifies student with American Red Cross in CPR-life support.

281 Personal and Community Health. (2) I, II. Study of factors enabling intelligent health decisions as they relate to the physical, mental, and social health of self, family, and community at present as well as the years beyond the college days.

290 Foundations of Health Education. (3) II. The history, foundational disciplines, and principles that led to the establishment of health education. The role of health education in the present health care system.

302 Advanced First Aid and Emergency Care. (2) I, II. First aid skills for specialized persons who are responsible for giving emergency care. Skills and knowledge attained provide the essential information for developing the functional first aid capabilities as required by American National Red Cross.

315 Contemporary Health Problems. (3) II. Etiology, effects, remediation, and prevention of selected current health problems. Nature of current health issues and forces which shape them.

345 Drugs, the Individual and Society. (3) I, II. Effect of drug use and abuse on the individual and society. Personal and community approaches for promoting intelligent decision making regarding drugs.

349 Cooperative Study in Public Health. (1-8) A. Prerequisites: departmental approval. Work under faculty and field supervisors in a cooperative placement related to a student's academic studies. Credit varies with hours of employment; 1-8 hours per semester or summer. Total credit hours allowed: 12.

360 Community Health Education Process. (3) II. Planning, organizing, delivering, and evaluating the community health education program.

375 Family Life Education. (3) I, II. Biophysical and psychosocial aspects of family living. Development of a wholesome attitude and sound values system towards sexuality and family living for those planning to work in community agencies.

380 **Mental Health Education. (3) I, II.** Basic needs for mental and emotional wellness. Emphasis in the selection of appropriate activities for promoting mental health through community agencies.

390 **Instructor of Standard First Aid and Personal Safety. (1) A.** Designed to develop individual teaching techniques for first aid and to provide adequate knowledge and skills for instruction. Successful completion leads to American Red Cross certification as a Standard First Aid and Personal Safety Instructor.

440 **Interpersonal Skills in Community Health Education. (1) II.** Communication and leadership skills useful to a person in community health education. Theory of and practices in group processes.

450 **Interpretation of Health Data. (3) I, II.** Understanding graphical, statistical, and research techniques used in health. Developing competencies in analyzing and interpreting research results.

463 **Field Experiences in Community Health. (6) II.** Offered cooperatively with official and voluntary agencies to seniors. Consists of actual field experiences and training in local and state health agencies with emphasis on application of classroom concepts.

498 **Independent Study. (1-3) I, II.** Prerequisite: departmental approval. Opportunity for individual work on a health problem in a supervised situation. Restricted to students who have demonstrated ability to complete individual endeavors.

516 **Public Health Administration and Laws. (3) II.** Consideration given to organizational theory, decisionmaking, leadership, principles of personnel and fiscal control, interpretation of state and local health laws, ordinances, and regulations.

555 **Epidemiology. (3) I, II.** Factors that affect the occurrence and courses of diseases—causative agents, susceptible hosts, favorable environments, and the effective use of statistical and epidemiological methods.

575 **Evaluation in Health Education. (3) A.** Program evaluation, interpretation of national test results, and the development of measurement skills in health knowledge, attitudes, and practices. Class members construct, administer, and analyze health tests.

590 **Health Education: _____. (3) A.** Utilization of lectures, field trips, films, health demonstrations and group interactions in a workshop setting to study particular health concerns. Workshop topics include aging, consumer health, death and dying, and human sexuality. May be retaken with advisor approval, provided subtitle is different.

GRADUATE COURSES

600 **Advanced Health Science. (3) A.**
607 **Health: _____. (1-3) A.**
620 **Utilization of Health Resources. (3) A.**
675 **Seminar in Contemporary Health Problems. (3) A.**
680 **Special Projects in Health. (1-3) A.**
697 **Thesis. (6) A.**
698 **Seminar in Allied Health Professions. (3) A.**
699 **Practicum in Allied Health Sciences Education. (3) A.**

DEPARTMENT OF

PHYSICAL EDUCATION

Gentry, R. L., Chair; Adams, Barton, Calkin, Chrietzberg, Good, Harkins, Hart, Harvel, Holmes, Jinks, Kidd, Lichty, Martin, Maupin, Motley, Mullins, Murphy, Phillips, Polvino, Reed, Shriver, Stanaland.

The Department of Physical Education offers programs to prepare students for both teaching and non-teaching positions. The major in physical education has six different options from which students may choose:

Option I is for the student who wishes a general background in physical education but does not wish to teach.

Option II is designed for the student who plans to obtain secondary school teacher certification.

Option III provides a program which allows the student to secure both elementary and secondary school teacher certification.

Option IV is for those students planning a career in athletic training.

Option V provides a program which allows the student to prepare for positions in sports and physical education in a non-school setting.

Option VI allows those students who wish to prepare for a career in dance to obtain specialization within the major.

Physical Education

Major Requirements . . . . . 40 hours
PHE 125; 241 or 340; 315; 320; 325; 467; 575; 10 hours selected with advisor approval from 145; 200; 201; 300; 345; 321; 326 or 327; 365; 383 or 384 or 385; 391; 400; 410; 523; 562; HEA 202 or 302; 290; EAD 568 . . . . . 25 hours
Each student must complete one of the following options:

Option I. General (non-teaching) . . . . . 15 hours
PHE 145, 327, 365, 391, 4 hours from 220-227, 4 hours from 305-309.

Option II. Secondary Teaching . . . . . 15 hours
PHE 145; 383 or 384 or 385; 365; 391; 400; 4 hours from 220-227; 4 hours from 305-309.

Option III. K-12 Teaching . . . . . 15 hours
PHE 201, 323, 365, 521, 2 to 4 hours from 220-227, 2 to 4 hours from 305-309.

Option IV. Athletic Training . . . . . 15 hours
PHE 515, 598, 2 hours from 220-227, 2 hours from 305-309, coaching elective (2 hours).

Option V. Sports Supervision . . . . . 15 hours
PHE 470, 2 to 5 hours from PHE 220-227, 2 to 5 hours from 305-309, coaching elective (2 hours).

Option VI. Dance . . . . . 15 hours
PHE 302, 345, 350, 550, 552, 554, 3 hours from 220-227 or 305-309.

Supporting Course Requirements . . . . . 9-37 hours
BIO 162 or GSC 101; BIO 171; 301. Students choosing options II and III must take the professional education courses required for teacher certification.

General Education Requirements . . . . . 46 hours
Standard General Education program, excluding course categories 13, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives . . . . . 5-33 hours
Total Curriculum Requirements . . . . . 128 hours

MINOR IN PHYSICAL EDUCATION

The requirements for a minor in physical education (non-teaching) are: PHE 125, 315, 6 hours of skill courses, 8 hours of PHE courses as approved by the PHE departmental chair . . . . . 18 hours.

MINOR IN DANCE

The requirements for a minor in dance (non-teaching) are: PHE 200; 201; 300 or 301; 302; 320; 345; 350; 550; 552; 554 . . . . . 18 hours.

ATHLETIC TRAINING CERTIFICATION

Students who are pursuing the B.S. degree in physical education (secondary teaching option) and who wish to prepare for the national certification examination of the National Athletic Trainers Association should complete the following additional courses: NFA 201; HEA 202; PSY 305 or 314; PHE 410; 515; 598. PHY 101 and CHE 101 are recommended but not required.

Students pursuing majors other than the B.S. degree in physical education may also prepare for the national examination by completing, in addition to the requirements for their degree program, PHE 315; 320; 325; 410; 515; 598; NFA 201; HEA 202; PSY 202 or EPY 318; PSY 305 or 314; BIO 171; 301; and coaching elective (2 hours). PHY 101 and CHE 101

are recommended but not required.

ELEMENTARY SCHOOL PHYSICAL EDUCATION ENDORSEMENT

Undergraduate secondary school physical education majors may become certified for teaching elementary school physical education by completing PHE 201, 323, 521, ELE 322, 324, 521.

Graduate students with a secondary school physical education major may become certified for teaching elementary school physical education by completing nine hours from PHE 521, 590, 633, ELE 596, and 6 hours from ELE 541 and ELE 324 or appropriate PHE 590.

COACHING ENDORSEMENT

Any student securing teacher certification (physical education majors and students from other majors) may complete the requirements for a Coaching Endorsement by taking PHE 320; 325; 410 or HEA 202; 523; and any coaching course. The student is reminded that because PHE 320 and 325 carry the prerequisites of BIO 171 and BIO 301, these courses should be taken as General Education courses.

GRADUATE PROGRAMS

The Master of Science Degree in physical education with a sports administration option is offered in the Department of Physical Education. The Master of Arts in Education degree in physical education, fifth and sixth year non-degree programs in physical education, the elementary school physical education endorsement for graduate students, and the Specialist in Education degree in physical education are supported by the Department of Physical Education and can be found in the College of Education section of the Graduate Catalog.

Course Descriptions

PHE—Physical Education

125 Introduction to Physical Education. (2) I, II. Orientation to the profession; philosophy, aims, objectives, principles, history, interdisciplinary bases, current problems, professional leadership, publication, and career opportunities.

145 Fundamentals of Movement. (1) I. Basic movements as they relate to the improvement of motor skills.

200 Heritage of Dance. (3) I, II. Dance as primitive magic and as creative art in contemporary society.

201 Children's Dance. (2) II. Children's dance from creative to structured; program planning and curriculum development in these areas.

214 Lifetime Sports Skills. (3) I, II. Basic knowledge and skill development in carry-over sport activities used throughout life.

220 Basketball. (1) I, II. Basic skills, strategy, rules, officiating, and teaching techniques related to basketball.

221 Field Hockey. (1) I. Basic skills, strategy, rules, officiating, and teaching techniques related to flag football.

222 Flag Football. (1) I. Basic skills, strategy, rules, officiating, and teaching techniques related to flag football.

223 International Team Sports. (1) II. Basic skills, strategy, rules, officiating, and teaching techniques relating to team handball, rugby, lacrosse, and net ball.

224 Soccer-Speedball. (1) I. Basic skills, strategy, rules, officiating, and teaching techniques relating to soccer and speedball.

225 Softball. (1) II. Basic skills, strategy, rules, officiating, and teaching techniques relating to softball.

226 Track and Field. (1) II. Basic skills, strategy, rules, officiating, and teaching techniques relating to track and field.

227 Volleyball, (1) I, II. Basic skills, strategy, rules, and teaching techniques relating to volleyball.

241 Swimming and Diving. (1) I, II. Prerequisite: HPR 180-181. To acquaint students with the scope of aquatic activities; develop swimming skills and endurance to intermediate level; gain understanding of fundamental mechanical principles and basic safety skills.

242 Advanced Lifesaving. (1) I, II. Prerequisite: ability to pass American Red Cross swimming test. Advanced technique of water safety and rescue; American Red Cross Certification awarded to those who qualify.

261 Coaching Baseball. (2) I, II. Theory and practice in coaching the fundamentals of baseball; team offense and defense.

300 Social, Folk, and Square Dance. (2) I, II. American and international folk dances and American ballroom dances; understanding of basic terms and steps; interpretation and appreciation of customs and traditions; and technique of leading and directing social dance activities.

301 International Folk Dance. (2) A. Folk dances of people throughout the world; understanding of basic terms and steps; styling variations; interpretation and appreciation of customs and traditions; technique of leading and directing dance activities.

302 Beginning Ballet. (2) I. Basic course in classical ballet involving barre exercises, center work, and simple combinations across the floor.

305 Archery-Golf. (2) I, II. Basic skills, strategy, etiquette, rules, and teaching techniques relating to archery and golf.

306 Badminton-Net Sports-Tennis. (2) I, II. Basic skills, strategy, etiquette, rules, and teaching techniques relating to badminton, tennis and some related net sports.

307 Bowling-Fencing. (2) I. Basic skills, strategy, etiquette, rules, and teaching techniques relating to bowling and fencing.

309 Wrestling-Racquetball. (2) A. Basic skills, strategy, rules, and officiating techniques related to wrestling and racquetball.

315 Philosophy and Principles of Physical Development. (2) I, II. Discussion, demonstration, and practice of various methods of developing strength and physical health.

320 Kinesiology (2) I, II. Prerequisite: BIO 171. Study of human movement through anatomical, physiological, and biomechanical concepts.

321 Basic Physical Recreation Activities. (2) I, II. Basic physical activities and methods of organization appropriate to the recreational setting.

323 Elementary Gymnastics and Sport Skills. (2) I. Children's gymnastics, sport skills, and games as a part of the elementary school physical education curriculum.

325 Physiology of Activity. (3) I, II. Prerequisite: BIO 301. Effects of physical activities on various systems of the human body.

326 History and Principles: Socio-Cultural Bases of Physical Education. (2) I. Prerequisites: 3 hours social science. Study of development of principles basic to effective decision making in multicultural physical education programs in historical and contemporary contexts; appreciation of the influence of historical events upon present day physical education.

327 Sport in American Society. (3) II. Impact of sport in American society with attention to relationship of political, economic, ethnic, and institutional forces operating within the phenomenon of sport.

340 Advanced Swimming and Water Safety. (2) I, II. Prerequisite: Proficient swimming skill and current advanced lifesaving certification (ARC or YMCA). Emphasis on advanced swimming skills, water safety, lifeguarding, aquatic management and teaching techniques of swimming; American Red Cross Water Safety Instructor awarded to those who qualify.

341 Synchronized Swimming. (1) I, II. Introduction to and fundamentals of synchronized swimming and aquatic art; technique of water show production. May be repeated up to 2 credit hours.

345 Modern Dance Theory and Fundamentals. (2) I. Introduction to modern dance technique; approaches to choreography; alignment and efficient movement stressed; locomotor and nonlocomotor movement; time, space, and energy are explored; development of modern dance as an art form introduced.

349 Cooperative Study. (1-8) A. Work in a cooperative placement related to student's academic studies.

350 Dance Production and Workshop I and II. (1) I, II. Dance technique, primarily modern, with opportunities for preparation, technical production, or performance of group dance compositions, culminating in a concert presentation. May be repeated up to 2 credit hours.

360 Coaching Basketball. (2) I, II. Theory and practice in coaching the fundamentals of basketball; team offense and defense.

362 Coaching Track and Field. (2) II. Theory and practice in coaching fundamentals involved in track and field.

365 Gymnastics. (2) I, II. Instruction in artistic and rhythmic gymnastics skills with emphasis on preparatory skills for safe and pro-

gressive learning.

370 Practicum in Physical Education. (1) I, II. Overview of physical education teaching through consultation and application; students will experience teaching-learning situations by assisting with various curricular programs.

383 Basketball Officiating. (1) II. Technique and skill of officiating, structure of officiating, and relationship between performance, behavior, and the official's duties.

384 Volleyball Officiating. (1) I. Technique and skill of officiating, structure of officiating, and relationship between performance, behavior, and the official's duties.

385 Judging Women's Gymnastics. (1) A. Judging of international gymnastics for women; rules and practical experience in judging compulsory and optional routines.

391 Sports Officiating. (1) I, II. Prerequisite: 1-hour officiating course. Theory and practice of officiating sports and games; study and interpretation of rules and technique of officiating. Laboratory hours assigned.

400 Organization of Recreational Sport Activities. (2) I, II. Theoretical and practical study of intramural recreational sports programming in institutional, agency, and private settings.

410 Care and Prevention of Athletic Injuries. (2) I, II. Prerequisite: BIO 171. Discussion, demonstration, and practical experiences in the care and prevention of athletic injuries.

420 Coaching Football. (2) I, II. Theory and practice in coaching the fundamentals of football; team offense and defense.

467 Skill Acquisition. (2) I, II. Practical applications of principles of learning and performing motor skills taught in the physical education environment.

470 Internship: Sport Supervision. (8) A. Supervised experiences in the directing of sports and physical activities in various setting.

485 Independent Study. (1-3) I, II. Prerequisite: advisor/departmental chair approval. Opportunity for individual work on a physical education related problem in a supervised situation. Restricted to undergraduate physical education major or minor students.

511 Coaching Field Hockey. (2) A. Theory and practice of coaching fundamentals of field hockey; including skill analysis, strategies, and systems of play.

512 Coaching Volleyball. (2) A. Examination of fundamental skills and strategies, analysis of basic styles of individual and team performance, and management necessary to coaching for effective performance.

515 Advanced Techniques of Athletic Training. (3) I, II. Study of specialized athletic training techniques, including use of electrical therapy devices.

521 Physical Activity and Child Development. (3) II. Prerequisite: EDF 317. Understanding of major development and the improvement of human movement through developmental movement activities which are basic to readiness for performance at school.

523 Psychology of Sport and Coaching. (3) I. Behavioral aspects related to sport, coaching, and the athlete in contemporary society; factors affecting performance in a competitive setting investigated.

540 Coaching Swimming and Diving. (2) A. Prerequisite: PHE 340 or equivalent. Designed to develop a body of knowledge concerning philosophy, rules, strategy, mechanics, and organization involved in developing and administering swimming and diving programs.

550 Advanced Dance Production and Workshop I and II. (1) I, II. Continuation of PHE 350 on a more advanced level with opportunities for choreography, production and a concert presentation. May be retaken for a total of 2 credit hours.

552 History of Dance. (2) A. History of dance from primitive man to the present with special emphasis on the development of American modern dance.

554 Modern Dance Technique and Choreography. (2) A. Prerequisite: PHE 345 or instructor approval. Modern dance technique, improvisation, choreography, and production.

562 Physical Education for the Exceptional Individual. (2) I, II. Principles and practices of adapted physical education emphasizing the nature and needs of exceptional persons. Includes history, recent legislation, growth and development factors, assessments, and individual education plans.

575 Tests and Measurements in Physical Education. (3) I, II. Administration and scoring of tests; evaluation of use of results obtained.

590 Workshop in Physical Education. (1-4) A. Utilization of lectures, field trips, films, demonstrations, and group interactions in a workshop setting to study particular physical education topics. May be retaken with advisor approval, provided subtitle is different.

598 Practicum in Athletic Training. (6) A. Supervised athletic training experience in a school, university, or club setting.

600 Research in Physical Education/Recreation. (3) I.
620 Administration of Physical Education. (3) I.
621 Physiological Bases of Physical Fitness. (3) I.
622 Sociology of Sport. (3) II.
624 Contemporary and Comparative Physical Education. (3) A.
630 Analysis of Human Motion. (3) II.
631 Laboratory Methods in Exercise Physiology. (3) II.
633 Motor Development. (3) A.
648 History of Physical Education and Sport. (3) A.
649 Philosophical Bases of Physical Education. (3) I.
651 Equipment and Facilities in Physical Education. (3) I.
652 Motor Learning and Performance. (3) II.
662 Adapted Physical Education. (3) II.
669 Organization and Administration of Athletics. (3) II.
670 Internship in Sports Administration. (1-6) I, II.
675 Seminar in Physical Education. (3) II.
680 Interpretation of Data in Physical Education. (3) I.
685 Independent Study. (1-3) I, II.
691 Issues in Physical Education. (3) I.
695 Assessment in Physical Education. (3) II.
697 Thesis. (3-6) A.

DEPARTMENT OF
RECREATION AND PARK ADMINISTRATION

McChesney, J., Chair; Baechtold, Nieland, Ogden, Smith, Stephan.

Programs offered by the department are designed to develop competencies needed for administration, supervision, and leadership of recreational services. They focus upon planning, organizing, and administering recreation programs and park services in a variety of setting.

Students, during their third year of study, who have special interest or strengths in a particular recreation setting, may concentrate more fully in their preparation for employment by electing any one of the optional emphases. The optional emphases are:

1. Recreation and Park Administration — for individuals interested in public recreation work with cities, counties, or state government. This emphasis is also for individuals interested in park management and operation of natural resource areas and facilities.
2. Recreation Programming (includes Youth and Voluntary Agency Recreation) — for individuals interested in preparation for employment as a leader or supervisor in one or more of the recreation program areas with a public, private, or voluntary youth serving agency.
3. Therapeutic Recreation (includes Correctional Recreation) — for individuals interested in serving the needs of the atypical in hospitals, institutions, and nursing homes or for individuals interested in serving incarcerated persons in juvenile centers and correctional agencies.
4. Camping and Outdoor Recreation (includes Interpretive and Outdoor Education) — for individuals concerned with the environment and desire to work in an outdoor setting as a naturalist, park ranger, or school-camp outdoor education specialists.

The baccalaureate and master's degree programs in Recreation and Park Administration are fully accredited by the National Recreation and Park Association/American Association of Leisure and Recreation Joint Council on Accreditation.

Both the B.S. and M.S. degree programs lead to a degree where graduates are eligible to become certified by the National Therapeutic Recreation Society or as a leader, supervisor, or administrator through the national certification program of the National Recreation and Park Association or one of its state affiliates.

It is recommended that all students carefully select their courses in consultation with their faculty advisor to improve their career effectiveness. For the Associate of Science and Bachelor of Science degrees, a minimum grade "C" is required in all REC courses specified for the major.

Recreation and Park Administration

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... 37 hours
REC 100, 202, 263, 311, 460, 463, 501, 506, and 9 additional (optional emphases) hours within the recreation major curriculum.

Supporting Course Requirements ..... 26 hours
HEA 202; SPE 100 or 300; PSY 202; and in consultation with their advisor, students must complete 18 hours of specified interdisciplinary courses (optional emphases) or an approved minor.

General Education Requirements..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 10 hours

Total Curriculum Requirements ..... 128 hours

MINOR IN RECREATION AND PARK ADMINISTRATION

The requirements for a minor in recreation and park administration are:

REC 100, 202, 311, 460, and 6 additional hours within the recreation curriculum..... 18 hours

ASSOCIATE OF SCIENCE DEGREE CURRICULA

The two-year Associate of Science Degree curriculum is designed to prepare students as a recreation technician or supervisor in a variety of recreation positions. If at the end of two years a student desires to continue his college education, he may enter the four-year program.

Recreation and Park Leadership

ASSOCIATE OF SCIENCE

Freshman Year ..... 32 hours
ENG 101 and 102, or 105; CHO 100; PHE 180; 181; HEA 202; GSS 142 or SOC 131; SPE 100; REC 100; 202; 263; and 3 additional (optional emphases) hours within the recreation major curriculum; 4 hours of restricted electives to be met by MIL 101 and 102, or by electives to be chosen outside the students major field of study.

Sophomore Year ..... 32 hours

Recreation Programming Option: PSY 202; REC 299; 311, or 410; IET 322; PHE 214; 241 or 340; 300; 308 or 315; and 321; 4 hours of restricted electives to be met by MIL 202 or 203, and 204, or by electives to be chosen outside the student's major field of study; 5-6 hours of free electives.

Therapeutic Recreation Option: PSY 202; REC 299; 311 or 411; IET 322; PHE 214; 300; 321; RHB 300; 4 hours of restricted electives to be met by MIL 202 or 203, and 204, or by electives to be chosen outside the student's major field of study; 5-6 hours of free electives.

Commercial Recreation Option: PSY 202; REC 299; REC 345 or 460; ACC 108; ECO 230; MGT 300; PHE 214; 241 or 340; 4 semester hours of restricted electives to be met by MIL 202 or 203, and 204, or by electives to be chosen outside the student's major field of study; 5-6 hours of free electives.

Park Maintenance Option: PSY 202; REC 299; 345 or 590; IET 141; AGR 213; 215; OHO 362, B, F, G, H; 4 semester hours of restricted electives to be met by MIL 202 or 203, and 204, or by electives to be chosen outside the student's major field of study; 5 hours of free electives.

Total Curriculum Requirements ..... 64 hours

Course Descriptions

REC—Recreation and Park Administration

100 Introduction to Recreation. (3) I, II. Designed as an introduction to the recreation profession. Nature of recreation and the individual, influence of leisure, recreation, philosophy, and employment possibilities.

201 Camp Counseling. (3) I, II. Concentration is on knowledge of the camping movement, leadership, and camp counseling techniques. Practical experiences are required including a weekend overnight.

202 Recreation Leadership. (3) I, II. Techniques of leadership in working with individuals in groups in various settings. Methods of organization, guidance, and supervision of program activities and laboratory experience. 2 Lec./2 Lab.

225 Education for Leisure and Recreative Living. (3) II. Comprehensive study of recreation services and objectives. Visits to observe programs in action. Agency representatives lecture. The role of leisure in a quality life, planning for the new leisure, self motivation toward constructive use of uncommitted time, and development of knowledge and attitude toward recreative living.

263 Fieldwork I. (2) I, II. Orientation and exploratory on-site practical experience in a recreation and/or park agency. Students are required to plan, lead, or direct various activities requiring recreation leadership.

299 Fieldwork II. (2 or 4) I, II. Students work in a recreation and park agency to observe and conduct activities. Through this on-the-job training, students apply and test classroom concepts and develop practical skills.

303 Private and Voluntary Agency Recreation. (3) I, II. Leisure problems for aging citizens, handicapped individuals, hard-to-reach and delinquent youth, incarcerated individuals, and armed forces personnel. Modification of program activities and settings, use of community resources, rehabilitation processes, facility management, and financing.

311 Therapeutic Recreation for Special Populations. (3) I, II.

316 Recreation Methods and Materials in Environmental Education. (3) I, II. Primary emphasis on learning experiences in the out-of-doors. Urban and rural outdoor environments are surveyed as learning laboratories in a variety of subject-matter areas. Objects of outdoor experiences are developed and field trips are planned.

345 Special Recreation Problems Seminar. (3) II. Operation problems and solutions encountered by beginning workers and middle management are discussed and solved through individual student research and class discussion.

349 Cooperative Study in Recreation and Park Administration. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in a cooperative placement related to student's academic studies. Credit varies with hours of employment; 2 or 4 hours per semester or summer.

409 Independent Study. (1-3) A. Prerequisite: For majors and minors only and advisor/instructor approval. Independent study of special topics and problems through directed readings and research. May be retaken for a maximum of 3 hours.

410 Community Recreation. (3) I, II. Systems approach to leisure services; citizen involvement; community planning and development; and agency management through fiscal policies, budgets, and personnel administration. Study of facilities and equipment, leadership techniques, and programs

411 Therapeutic Recreation Services for the Senior Adult. (3) A. Leisure problems, needs of senior adults, basic terminology, facilities, administrative organization, programming, organizations and agencies for senior adults, and trends.

460 Advanced Leadership and Programming. (3) I, II. Comprehensive course in recreation program planning, development, and leadership techniques with individuals and groups. Students plan a 1-year program. 2 Lec/2 Lab.

463 Practicum (8) I, II. Prerequisite: REC 460 or instructor approval. Students work in a recreation agency to observe and conduct activities. Through this training, the student has the opportunity to test concepts developed in his regular class work and to develop competencies essential to successful professional recreation leadership.

501 Recreation and Park Administration. (3) I, II. Community organization, administrative practices, legal aspects, recruiting, selecting leaders, personnel practice, and public relations.

506 Planning, Design and Maintenance of Recreation Facilities. (3) I, II. Planning principles and procedures of recreation and park areas. Facilities, design problems, details of structure and equipment, master planning methods, study of standards and trends.

511 Therapeutic Recreation Practices and Services. (3) I, II. Prerequisite: instructor approval. Terminology and programming in a therapeutic setting. Modification of leadership techniques and activities adaptation for the ill and handicapped. Field trips to observe programs.

516 Recreation Environmental Education Programs. (3) II. Prerquisite: REC 316 or instructor approval. Philosophy, policies, and procedures of organizing and conducting school-centered environmental education programs. Emphasis is placed on program services which are year-round, including resident outdoor schools and day services provided by recreation and environmental agencies for school groups. A supervised practical experience is required.

521 Camp Administration (3) A. Prerequisite: REC 201 or instructor approval. Camp organization, business management, staffing, and program administration for different types of camps. Selection and development of camp sites. A supervised practical experience is required.

590 Recreation Workshop. (3) A. Identification and study of specialized techniques in recreation leadership, activity skills, operational methods, and services. May be retaken under different workshop title.

GRADUATE COURSES

600 Research in Physical Education/Recreation. (3) I.
609 Independent Study. (1-3) A.
615 Practicum in Recreation. (1-3) A.
625 Philosophy and Trends in Recreation and Leisure. (3) A.
630 Outdoor Recreation Resources and Programs. (3) A.
640 Administrative Processes and Practices. (3) A.
645 Seminar: Problems in Recreation. (1-4) A.
697 Thesis. (6) A.

COLLEGE OF LAW ENFORCEMENT

ROBERT W. POSEY, Dean; TRUETT A. RICKS, Associate Dean

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The College of Law Enforcement at Eastern Kentucky University was established in response to a changing, dynamic society which demanded more qualified and professional personnel with higher levels of education. The College was founded to meet this demand within the threefold purpose of the University — teaching, service, and research. The College is composed of the Department of Correctional Services, the Department of Fire Prevention and Control, the Department of Police Administration, the Department of Security, and the Traffic Safety Institute.

The programs of study within each department are viewed as an applied interdisciplinary educational endeavor. The purposes of this study at Eastern Kentucky University are:

1. to prepare personnel for positions in the private and public safety sectors of society;
2. to prepare personnel for teaching careers in one of the fields within each departmental area;
3. to conduct research in the broad areas contained within each departmental program; and
4. to provide service programs pertinent to one of the broad areas contained within each departmental programs.

These service programs and capabilities have been made available to governmental agencies, public institutions, and private enterprise. The College also conducts extended campus classes throughout the central Kentucky area, including Fort Knox. Such offerings make programs available to various agencies and military personnel. In addition, faculty members frequently provide lecturers for operational programs, professional workshops, professional conferences, and consultant services.

The College offers degrees at the associate, baccalaureate, and the master level. In addition, a joint doctorate degree in education is offered in cooperation with the University of Kentucky with degrees awarded by the University of Kentucky.

At the associate degree level, the college offers programs in corrections, corrections-juvenile, fire prevention and control, criminalistics, police administration, and business and industrial security.

The College offers baccalaureate level programs in corrections, fire prevention and control, forensic science, police administration, and security.

Graduate offerings in the College include master's degree programs in criminal justice with options in corrections, criminal justice education, juvenile justice, and police administration, and loss prevention administration.

Courses numbered in the 500 series are open to seniors and graduate students who meet course and program prerequisites. Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates. Courses numbered in the 600 series are open only to graduate students.

ADMISSION TO THE COLLEGE OF LAW ENFORCEMENT

Students seeking admission to the College of Law Enforcement must meet general University requirements and should indicate their intention to major in a program of the College.

After being admitted to the College, a student will be assigned an advisor who will assist in selecting the proper courses for a planned curriculum leading to the desired degree.

PLANNED CURRICULUM

Upon completion of 60 hours, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by consulting the faculty advisor in the major department. Teaching majors must have been admitted to the teacher education program prior to the preparation of a planned curriculum. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor.

DEGREE REQUIREMENTS

General University requirements, described elsewhere in this Catalog, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Law Enforcement. See programs under each department for major and minor requirements. Common to all programs, however, is the Academic Orientation course of the College of Law Enforcement.

LEO 100 (1) I. Designed to orient the student to university academic life and affords background for career in various areas of potential employment. Included are University regulations and calendar catalog details, registration and pre-registration, various job opportunities, and program requirements.

APPLICATION FOR GRADUATION

Students must file an application for graduation in the dean's office no later than April 30 for December graduation and no later than October 31 for either May or August graduation. It will be the student's own responsibility to plan and register for the proper courses to meet all graduation requirements.

DEPARTMENT OF

CORRECTIONAL SERVICES

Reedy, C., Chair; J. Fox, Horn, Reed, B. Robuck, Scott, Snarr, Wolford.

The Department of Correctional Services offers a range of courses designed to provide an understanding of corrections as an institutionalized societal response to adults and juveniles who violate the law. Course offerings also include emphasis on human services and management roles. Programs are designed for preparation in such careers as juvenile or adult probation officers, juvenile counselors, correctional caseworkers, and related professional areas.

Corrections

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **33 hours**
COR 110, 120, 220, 250, 311, 315, 330, 440, 450, 6 hours of upper division electives in correctional services.
Supporting Course Requirements ..... **30 hours**
PSY 202, 308, SOC 131, 375, plus minor requirements.
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **10 hours**
Total Curriculum Requirements ..... **128 hours**

Corrections

MAJOR CONCENTRATION IN JUVENILE JUSTICE, BACHELOR OF SCIENCE DEGREE

Major Requirements ..... **33 hours**
COR 110, 120, 250, 310, 311, 315, 330, 423, 440, 450, 3 hours of upper division electives in correctional services.
Supporting Course Requirements ..... **21 hours**
CDF 342 or PSY 314; PSY 202; SOC 131; 340; SWK 210; 280; 315.
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **19 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN CORRECTIONS

A student may minor in correctional services by completing COR 110, 120, 250, and 9 hours upper division correctional services electives.

Corrections

ASSOCIATE OF ARTS

Freshman Year ..... **34 hours**
LEO 100; COR 110; 120; ENG 101 and 102, or 105; 6 hours humanities; 3 hours natural science; 6 hours social science; PHE 180, 181; 4 hours of restricted electives to be met by MIL 101, 102, or by electives to be chosen outside the student's major field of study.
Sophomore Year ..... **34 hours**
COR 220; 250; 311; 315; 330; POL 230 or 332; PSY 202; SOC 235; 3 hours humanitles; 3 hours natural science; 4 hours of restricted electives to be met by MIL 202 or 203, and 204, or by electives to be chosen outside the student's major field of study.
Total Curriculum Requirements ..... **68 hours**

Corrections—Juvenile

ASSOCIATE OF ARTS

Freshman Year ..... **34 hours**
LEO 100; COR 110; 120; ENG 101 and 102, or 105; 6 hours humanities; 3 hours natural science; 6 hours social science; PHE 180; 181; 4 hours of restricted electives to be met by MIL 101, 102, or by electives to be chosen outside the student's major field of study.
Sophomore Year ..... **33 hours**
COR 250; 310; 311; 315; 330; HEA 281; POL 230 or 332; PSY 202; SWK 210; 3 hours natural science; 4 hours of restricted electives to be met by MIL 202 or 203, and 204, or by electives to be chosen outside the student's major field of study.
Total curriculum Requirements ..... **67 hours**

Course Descriptions

COR—Correctional Services

105 Survey of Criminal Justice Systems. (1) A. Examination of police, courts, probation, correctional institutions, and juvenile justice at the local, state and national levels. Study of organization, staffing, service delivery systems, and funding base; exploration of career opportunities.

110 Principles and Procedures in the Administration of Justice. (3) A. Formerly COR 100. An orientation to the foundations, components, and processes of justice. Study of the impact of social change upon past, present, and future relationships, policies, and procedures of system elements.

120 Introduction to Corrections. (3) A. An introduction to the processes, procedures, and issues in modern corrections. Evolution of the various elements of the juvenile and adult corrections systems.

220 Correctional Institutions. (3) A. Prerequisite: COR 120. Facilities, treatment, and security for detention and incarceration; institutional variations based on the age, sex, and offense of the inmate population; social structure of the inmate population; problems of maintaining effective control and treatment.

250 Helping Relationships in Corrections. (3) A. Introduction to the problems, procedures, and treatment methods unique to adult and juvenile corrections. Techniques of prevention and diversion.

310 The Juvenile and Police. (3) A. Cross listed as PAD 310. Examines the crime control, due process, and helping roles of the police with juveniles. Aids students in applying knowledge and skills and in understanding conflicts among these police roles.

311 Delinquency and the Juvenile Justice System. (3) A. Formerly COR 211. Examines the meaning and causes of delinquency and society's response to the problem through the juvenile justice system; focuses on history, organization, and function of the court; examines the juvenile correctional system.

315 Legal Issues in Corrections. (3) A. An overview of the statutes and court decisions related to corrections. Study of current legal issues and their impact on adult and juvenile procedures.

320 Workshop. (1-3) A. The workshop is designed primarily for in-service personnel and will focus on current problems, issues, and strategies in providing effective services. May be repeated for a maximum of 6 hours.

322 Institutional Security. (3) A. Organization, supervision, and administration of control services; responsibilities and techniques in detention centers and correctional institutions; interface with treatment programs for control purposes.

330 Probation, Pardons, and Parole. (3) A. Prerequisite: COR 120. History and philosophy of probation, parole, and other community programs; function and operation of pardon and parole boards; statutory authorization and limitation; modern trends; personnel qualifications.

345 Women, Crime and Criminal Justice. (3) A. Cross listed as PAD 345. Review of contemporary issues in female criminality and victimization; analysis of how the women's movement and affirmative action have affected the role of both male and female professionals in criminal justice.

349 Cooperative Study in Correctional Services. (1-8) A. Work in placements related to academic studies. May be repeated for a maximum of 16 hours.

400 Applied Statistics for Criminal Justice Systems. (3) A. Cross listed as PAD 400. Basic statistical concepts and procedures for the treatment of criminal justice data. Includes review of arithmetical/algebraic operations, descriptive statistics and graphs, measures of central tendency, measures of dispersion, probability, distribution concepts, correlation, hypothesis testing.

432 Topical Seminar in Corrections: _____. (3) A. Prerequisite: junior standing and departmental approval. Intensive study of selected topics related to corrections, juvenile justice, and the administration of justice. May be repeated to a maximum of 9 hours on different topics.

440 Correctional Administration. (3) A. Prerequisite: COR 120. Concepts of management as applied to adult and juvenile corrections systems. Special emphasis upon organizational structure, planning, decision-making, and directing.

450 Correctional Helping Skills. (3) A. Prerequisite: COR 350. Treatment techniques and processes in adult and juvenile corrections. Emphasis on skill development in interviewing, group processes, and crisis intervention techniques.

460 Independent Study. (1-6) A. Prerequisite: departmental approval. Individual study and/or research on a problem pertaining to correctional services.

470 Field Experience in Adult Corrections. (3, 6, 9, 12) A. Prerequisite: instructor approval. Field services training designed to broaden the educational experience through appropriate observational and work assignments in governmental and private agencies; correlation of theoretical knowledge with practice in participating agencies. May be repeated for a maximum of 15 hours.

471 Field Experience in Juvenile Corrections. (3-15) A. Prerequisite: instructor approval. Field services training designed to broaden the educational experience through appropriate observational and work assignments in governmental and private agencies; correlation of theoretical knowledge with practice in participating agencies. May be repeated for a maximum of 15 hours.

DEPARTMENT OF

FIRE PREVENTION AND CONTROL

Cozad, F. D., Chair; Abney, Bogard, Hopkins.

The Department of Fire Prevention and Control offers a balanced and broad education to students who plan to enter the fire protection services as a career. It also offers courses of study to aid active fire protection personnel interested in professional growth. Areas of study include life safety and life support; fire prevention, suppression, and investigation; fire service administration; industrial loss prevention; and fire protection technology.

The Department offers the Bachelor of Science with options in industrial risk management, fire protection technology, fire investigation, and fire protection administration; the Associate of Arts; the Certificate of Competency; and the Kentucky Basic Emergency Medical Technician Certification.

Fire Prevention and Control

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **41 hours**
FPC 100, 101, 120, 201, 221, 223, 250, 300, 305, 322, 350, 360, 400, 410.

Supporting Course Requirements ..... **24 hours**
FOR 301; 308; MGT 300; PAD 303; 416; POL 230 or 332; 6 hours social science.

General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **9 hours**

Total Curriculum Requirements ..... **129 hours**

FIRE PREVENTION AND CONTROL OPTIONS, BACHELOR OF SCIENCE

The following options for the Bachelor of Science degree in fire prevention and control include the University General Educational requirements (55 hours) and the fire prevention and control core which is made up of the following courses: FPC 100, 101, 120, 201, 305, 349 or 499 (20 hours). Variations in major requirements and supporting requirements are listed for each option. Free electives will vary with each option.

INDUSTRIAL RISK MANAGEMENT OPTION

Major Requirements ..... **25 hours**
FPC 221, 223, 301, 322, 350, 360, 410, 450.

Supporting Course Requirements ..... **18 hours**
Select 3 hours from INS 370, 372, or 378; 6 hours from EHS 325, OSH 362, or 366; SEC 210; 225; TRS 332.

FIRE PROTECTION TECHNOLOGY OPTION

Major Requirements ..... **12 hours**
FPC 221, 322, 360, 410, 499.

Supporting Course Requirements ..... **33 hours**
CHE 102, 111, PHY 201, 202, 221, MAT 121, 122, 223, IET 191, EHS 325.

General Education Requirements ..... **46 hours**
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Upper Division Electives ..... **17 hours**
ATTENTION: This option does not list sufficient upper division hours to satisfy University requirements. Therefore, students should select upper division courses whenever possible to satisfy General Education requirements.

FIRE INVESTIGATION OPTION

Major Requirements ..... **24 hours**
FPC 223, 250, 350, 389, 450, 460, 499.

Supporting Course Requirements ..... **15 hours**
FOR 301, 308, PAD 303, 416, PSY 308.

FIRE PROTECTION ADMINISTRATION OPTION

Major Requirements ..... **31 hours**
FPC 221, 223, 250, 300, 350, 360, 400, 425, 450, 500.

Supporting Course Requirements ..... **9 hours**
OSH 362; PSY 319 or 402; TRS 233.

MINOR IN FIRE PROTECTION AND CONTROL

The courses required to complete a minor in fire prevention and control include: FPC 100, 120, plus 12 hours of FPC electives. Nine hours must be upper division.

Fire Prevention and Control

ASSOCIATE OF ARTS

Major Requirements ..... **20 hours**
FPC 100, 101, 120, 201, 221, 223, 250.

General Education Requirements ..... **37 hours**
LEO 100; ENG 101, 102, or 105; 12 hours social science; 6 hours humanities; 6 hours natural science; 4 hours restricted electives to be met by MIL 101, 102, 202 or 203, and 204, or by electives to be chosen outside the student's major field of study; HPR 180; 181; HEA 281.

FPC—Fire Prevention and Control

Free Electives ..... 9 hours
Total Curriculum Requirements ..... 66 hours

FIRE PREVENTION AND CONTROL, CERTIFICATE OF COMPETENCY

The courses required to complete the certificate of competency in fire prevention and control include: FPC 100, 101, 120, 201, 221, 223, 250, 300, 322, 350, 360.

Total Curriculum Requirements ..... 31 hours

BASIC EMERGENCY MEDICAL TECHNICIAN CERTIFICATION

Meets the Kentucky Department for Human Resources certification requirement: FPC 301

Total Curriculum Requirements ..... 5 hours

Course Descriptions

FPC—FIRE PREVENTION AND CONTROL

100 Introduction to Fire Prevention and Control. (3) A. Historical and philosophical discussion with review of the nature and extent of life and property conservation functions of federal, state, municipal, and private agencies. Study of legislation, contemporary and future problems and career opportunities.

101 Organization for Fire Prevention. (3) A. Organization and function of fire prevention programs. Inspection, surveying, mapping procedures, recognizing fire hazards, engineering solutions for fire hazards, enforcement problems, educational programs, and public relations as they apply to fire prevention.

120 Chemistry of Fire and Fire Behavior. (3) A. Chemical and physical properties of combustibles; fundamentals of fire investigation; determining point of origin; recognition of ignition sources; residues of pyrolysis.

201 Building Design and Construction. (3) A. Building design and construction. Emphasizing the prevention and control of conflagration; contemporary and future architectural problems; federal, state, local codes and the authority and responsibility vested in the various agencies.

221 Fire Control I. (2) A. Prerequisite: FPC 120 or advisor approval. Introduction to fire protection systems and their relationship to control and extinguishment. Study of extinguishing agents and their application. Concentration on fixed and portable carbon dioxide, dry chemical, dry powder, foam, and halogenated systems.

223 Fire Control Tactics and Strategy. (3) A. Prerequisite: FPC 101. Fireground decisions, tactics, and operations. Decision making for organizing and operations of fire control forces such as manpower apparatus and equipment; guidelines for mutual aid; estimating and use of available fire flow.

250 Legal Problems in the Fire Service. (3) A. Study of legislation and court decisions affecting the fire service professional. Reviewing rights, duties, and liabilities.

300 Fire Service Supervision. (3). A. The theory and practice of supervision. The relationship of supervision to leadership; problems of morale and motivation; relationship of selection to employee function; leadership styles and organizational behavior.

301 Emergency Medical Treatment I. (5) A. Effective emergency medical care in a variety of traumatic and medical emergencies. Content was developed by the Committee on Injuries of the American Medical Association. Nationally recognized for certification of emergency medical technicians.

305 Hazardous Materials. (4) A. Study of chemical characteristics and reactions of material to storage, handling, and transportation. Problems of electricity, liquid and solid combustibles, oxidizing and corrosive material, and radioactive compounds are explored. 2 Lec/2 Lab.

322 Fire Control II. (2) A. Prerequisites: FPC 120, 201, or advisor approval. Study of sprinkler systems, automatic fire detection systems, and municipal fire alarm systems.

349 Cooperative Study. (6-12) Prerequisite: departmental approval. Work under faculty and field supervision in a cooperative placement related to student's academic studies. Credit varies with hours of employment. Two to 4 per semester or summer. Total credit hours allowed: 6, associate degree; 12, baccalaureate degree.

350 Arson Investigation. (3) A. Prerequisite: FPC 250. Detection of arson and associated crimes; collection and preservation of evidence; interviewing techniques; preparing for court; coordination of arson investigation with other public and private agencies.

360 Water Supply for Fire Protection. (3) A. Students should complete a college algebra course prior to enrolling. Water at rest and in motion. Bernoulli's and Pascal's theorem; water distribution systems, pumps, velocity, discharge friction loss, pump and nozzle pressures required for fire protection. Theory followed by practical application.

389 Issues and Problems. (3). A. Discussion of past and present methods, techniques, and devices in the field of fire prevention and control as well as occupational safety. Emphasis on application to future rural, suburban, and metropolitan problems.

400 Fire Service Management. (3) A. A study of environmental management. Planning, organizing, and evaluation of volunteer permanent station, multi-station, multi-community, and metropolitan departments; selection, motivation of personnel, budgeting, as well as other organizational problems.

410 Fire Prevention and Occupational Safety. (3) A. Implementation of loss prevention techniques and programs. Fire and safety regulations; compliance with building codes and ordinances; insurance; relationship of occupational safety to fire prevention; economics of employee and property conservation.

425 Fire Protection Administration. (3) A. Prerequisite: FPC 300, 400. Study of national fire data systems, Chemtrec, reporting systems, computerized dispatching, and disaster planning.

450 Explosive, Incendiary, Toxic Materials and Devices. (4) A. Prerequisite: FPC 350 and instructor approval. The relationship and characteristics of explosive and incendiary devices. Properties of compounds; assembly and disassembly techniques; the use for and detection of explosives and incendiary devices. 2 Lec/2 Lab.

460 Advanced Arson Investigation. (4) A. Prerequisites: FPC 120, 350. Coordinated lab and lecture. Collecting, preserving, and processing evidence. Study of gas chromatography, steam distillation, ignition temperature, flash point, BTU content, specific gravity, vapor density.

489 Topical Seminar: _____. (1-3) A. Prerequisite: instructor approval. Development and presentation of research in contemporary methods, techniques, and devices in the field. May be repeated under different topics for a maximum of 12 hours.

499 Practicum. (6-12) A. Prerequisite: departmental chair approval. Supervised field observation, research and/or experience.

500 Labor Relations and Collective Bargaining in the Public Safety Sector. (4) A. Prerequisite: instructor approval. Trends and practices of public safety employee groups. Legal, historical, and contemporary developments in collective bargaining; work stoppages; impasse and dispute settlement; anticipated developments; recognition and contract negotiations in the public safety sector.

DEPARTMENT OF

POLICE ADMINISTRATION

Bagby, R., Chair; Black, Cox, Forester, B. Fox, Gaines, Givan, Nixon, L. Robuck, Southerland, White.

The Police Administration department offers a wide range of academic courses related to the following major objectives: (1) to prepare students for employment opportunities through a planned, career-ladder system; (2) to assist individual professional preparation, growth, and development; (3) to meet individual in-service educational and occupational needs; (4) to introduce and reinforce selected educational and occupational concepts and objectives in preparation for potential employment opportunities with various public and private, local, state, and federal law enforcement agencies and organizations.

Police Administration

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **42 hours**
PAD 101; 103; 205; 216; 304; 305; 316; 405; 406 or 410; 416; FOR 301; 9 hours upper division PAD electives.

Supporting Course Requirements ..... **30 hours**
POL 101 or POL 230; POL 332; PSY 201 or PSY 202; PSY 308; plus minor requirements.*

General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **1 hour**

Total Curriculum Requirements ..... **128 hours**

*Minors are recommended in the fields of business, psychology, sociology, political science, or traffic safety. The minor field should be scheduled in consultation with an advisor in the College of Law Enforcement. The courses comprising the minor field (18 semester hours) will be selected with the approval of the advisor and the department chair in the minor field.

MINOR IN POLICE ADMINISTRATION

A student may minor in police administration by completing a minimum of 18 semester hours of the following courses: PAD 101, 205, 216, and 9 hours of upper division police administration courses.

Police Administration

ASSOCIATE OF ARTS

Freshman Year ..... **29-31 hours**
LEO 100; ENG 101 and 102, or 105; General Education laboratory biological science; General Education laboratory physical science; PAD 101; 103; 205; 216; PHE 180; 181; 2 hours of restricted electives to be met by MIL 101, 102, or by electives to be chosen outside the student's major field of study.

Sophomore Year ..... **26 hours**
General Education social science (6 hours); FOR 301; PAD 304; 305; 316; POL 101 or POL 230, or POL 332; PSY 201 or PSY 202; 2 hours restricted electives to be met by MIL 202 or 203, and 204, or by electives to be chosen outside the student's major field of study.

Electives ..... **6 hours**
Six hours of upper division police administration courses.

Free Electives ..... **3 hours**

Total Curriculum Requirements ..... **64-66 hours**

Course Descriptions

PAD—Police Administration

101 Introduction to Criminal Justice. (3) A. A general overview of the criminal justice system including a description of the major agencies: police, prosecution, courts, and corrections, and an analysis of their interdependence in the criminal justice process.

103 Police Patrol and Services. (3) A. Formerly PAD 203. Organization, administration, and supervision of patrol function. Responsibilities, techniques, and methods of police and patrol. Various services and public assistance offered by police organizations.

205 Supervision of Police Personnel. (3) A. Formerly PAD 425. To furnish the police supervisor with an insight into the primary functions and responsibilities of the supervisory positions, to increase the supervisor's confidence; personnel management and discipline.

216 Criminal Law. (3) A. Formerly PAD 314. The nature of the criminal act; the essential elements; theories of responsibility; exculpatory matters; overview of common law offenses; identification of trends in the law.

302 Traffic Law. (3) A. Primary attention focused upon the Uniform Motor Vehicle Code and model traffic ordinances including use and implementation.

304 Criminal Investigation. (3) A. Formerly PAD 204. Fundamentals of criminal investigation, crime scene search and recording, collection and preservation of evidence, scientific aids, *modus operandi*, sources of information, interviews and interrogation, follow-up and case preparation.

305 Police Administration I. (3) A. An examination of the principles of organization, administration, and functions of police departments. An evaluation of personnel policies, divisions, operations, command policies, and evaluation of the department as a whole.

310 The Juvenile and Police. (3) A. Cross listed as COR 310. Examines the crime control, due process, and helping roles of the police with juveniles. Aids students in applying knowledge and skills and in understanding conflicts among these police roles.

316 Criminal Evidence. (3) A. Formerly PAD 303. Overview of criminal trial procedures; classifications of evidence; historical background of Constitutional rights; presumptions; relevance; expert testimony; testimonial privileges; hearsay, confessions; impeachment.

320 Workshop in Law Enforcement. (1-3) A. Designed primarily for in-service law enforcement personnel; focuses on current problems, issues, and strategies in law enforcement. Students may enroll for a maximum of 6 hours credit.

345 Women, Crime and Criminal Justice. (3) A. CL COR 345. Review of contemporary issues in female criminality and victimization, and an analysis of how the women's movement and affirmative action have affected the role of both male and female professionals in criminal justice.

349 Cooperative Study in Police Administration. (1-6). A. Prerequisite: departmental chair approval. Work in placements related to academic studies.

350 Comparative Police Organizations. (3) A. Comparative study of foreign police forces at the national, regional, and municipal level. Evolution, mission, organizational structures, personnel management, education/training programs, and logistical considerations are emphasized. Examination of regional and global police cooperation.

400 Applied Statistics for Criminal Justice Systems. (3) A. Cross listed as COR 400. Basic statistical concepts and procedures for the treatment of Criminal Justice data. Includes: review of arithmetical/algebraic operations, descriptive statistics and graphs, measures of central tendency, measures of dispension, probability, distribution concepts, correlation, hypothesis testing.

401 Organized Crime. (3) A. History, scope, educational methods of control of organized crime in America. Emphasis on local, regional, and statewide control of organized crime. Cultural and social implications of the presence of organized crime are examined in depth.

405 Police Administration II. (3) A. A detailed study of the organization, administration, and function of the police department. The designing of policies; a study of the arrangements within a department of specific operations and commands.

406 Seminar (3) A. Specialized study of contemporary topics and issues in law enforcement.

410 Human Relations in Policing. (3) A. Theoretical and practical problems and issues in the relationship between police agencies and the total community. Various police-community relations programs are outlined.

416 Laws of Arrest, Search, and Seizure. (3) A. Formerly PAD 403. A detailed study of the laws of arrest (including the use of force), search and seizure, emphasizing the constitutional basis, historical development, statutes, and recent court decision.

424 Field Experience. (3-12) A. Prerequisite: instructor and departmental chair approval. Maximum of 12 semester hours credit; designed to broaden the educational experience through appropriate observational work assignments. (Intended for pre-service students in non-sworn positions).

460 Independent Study. (1-6) A. Prerequisite: departmental chair approval. Individual study and/or research on a problem relating to police administration.

FORENSIC SCIENCE PROGRAM

Fraas, R., Director; Stubblefield.

The Forensic Science Program offers two degree programs in criminalistics forensic science. The Associate of Arts degree in criminalistics is designed for students interested in crime technology. Students acquiring this degree will have training in crime scene search, evidence preserva-

tion, report writing, and a basic knowledge of crime laboratory techniques.

The Bachelor of Science degree in forensic science should be pursued by those students interested in a career in a forensic laboratory. The degree requires 30 semester hours of forensic science and 43 semester hours of supporting courses in chemistry, physics, and mathematics. An integral part of the curriculum requirement for this degree is an internship at an affiliated crime laboratory.

Forensic Science

BACHELOR OF SCIENCE

Major Requirements ..... 30 hours
FOR 411, 412, 451, 495*, 9 hours of 400 level FOR electives; PAD 216, 316

Supporting Course Requirements ..... 43 hours
CHE 111; 112; 325; 361; 362; 365; 570; 3 hours upper division CHE electives; MAT 121 or MAT 208; PHY 131 and 132 (or PHY 201 and 202).

General Education Requirements..... 43 hours
Standard General Education Program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 12 hours

Total Curriculum Requirements ..... 128 hours

*May be taken for a total of 12 hours, but only 6 hours are counted toward the major requirements.

Criminalistics

ASSOCIATE OF ARTS

Major Requirements ..... 25 hours
FOR 301, 308, 309, 380, PAD 101, 103, 205, 304, 316

Supporting Course Requirements ..... 18 hours
CHE 111 and 112 (or CHE 101 and 102); PHY 211; POL 332 (or 230 for out-of-state students); PHY 101 or GSC 172

General Education Requirements..... 12 hours
ENG 101 and 102, or 105; HPR 180 and 181; 4 hours of restricted electives to be met by MIL 101, 102, 202, 203, and 204 or by electives to be chosen outside the student's major field of study.

Free Electives ..... 9 hours

Total Curriculum Requirements ..... 64 hours

Course Descriptions

FOR—Forensic Science

301 Introduction to Criminalistics. (3) A. Introduction to the utilization of physical evidence in law enforcement; an overview of the forensic analysis of firearms, fingerprints, drugs, blood, hair, fibers, paint, glass, and questioned documents.

308 Criminalistics I. (3) A. Introduction to the examination of fingerprints, footprints, tool marks, and glass fractures; forensic photography; crime scene search, evidence preservation and report writing. 2 Lec/3 Lab.

309 Criminalistics II. (3) A. Prerequisite: CHE 101 or instructor approval. Introduction to document examination; preliminary microscopic examination of hairs, fiber, and glass; simple blood typing; principles of firearms identification and gun powder residue tests. 2 LEC/3 Lab.

380 Seminar in Criminalistics. (1) A. Prerequisite: FOR 308. Presentation of significant developments in the area of criminalistics. One weekly meeting.

411 Analytical Methods in Forensic Science I. (3) A. Prerequisite: CHE 325, 361, 362, or instructor approval. Application of instrumental methods of analysis to the classification of physical evidence. Principles and application of ultraviolet, visible, infrared, and fluorescence spectrophotometry, gas chromatography, and thin layer chromatography. 2 Lec/3 Lab.

412 Analytical Methods in Forensic Science II. (3) A. Prerequisite: FOR 411 or instructor approval. Continuation of FOR 411. Application of chemical instrumentation to the separation, identification, and comparison of drugs, paint, glass, fibers, arson evidence, and other materials commonly encountered in the crime laboratory. 1 Lec/6 Lab.

421 Forensic Serology. (3) A. Prerequisite: FOR 411 or instructor approval. Introduction to the laboratory examination of blood, blood stains, and body fluids; techniques in handling dried blood. 2 Lec/3 Lab.

430 Analytical Toxicology. (3) A. Prerequisites: FOR 411, 412, or instructor approval. Study of the biochemical activity of poisons and drugs; isolation and identification of barbiturates, amphetamines, tranquilizers, and other drugs of forensic interest. 2 Lec/3 Lab.

440 Forensic Photography. (2) A. Prerequisite: PHY 202 (PHY 132) or instructor approval. Fundamental aspects of photography and camera optics; film development; black and white color photography; evidence, accident, and crime scene photography. 1 Lec/3 Lab.

451 Forensic Microscopic Analysis. (3) A. Introduction to microscopic analysis; identification and characterization of materials, such as glass, hair, fiber, paint, and soil. 2 LEC/3 LAB.

460 Selected Topics in Forensic Science. (1-3) A. Prerequisite: Instructor approval. Topics will be chosen from areas of current interest and may be repeated for credit when new topics are offered. Topics and credit will be announced prior to each offering.

490 Introduction to Research. (1-3) A. Prerequisite: FOR 411, 412, or instructor approval. Introduction to laboratory research in one of the areas of forensic science. May be repeated for a maximum of 6 credit hours, but only 3 hours may be counted toward the major requirement.

495 Internship. (3,6,9,12). A. Prerequisite: FOR 411, 412, and instructor approval. Final year. Independent laboratory work and study at an affiliated crime laboratory. May be repeated for a maximum of 12 hours. Four to 16 weeks.

DEPARTMENT OF

SECURITY

Tillett, B., Chair; Carfield.

The Department of Security offers a two-year Associate of Arts degree in Business and industrial security, and a Bachelor of Science degree in security and safety. The Associate of Arts degree in business and industrial security is designed to prepare students for supervisory positions in security and loss prevention in both the private and public sector.

The Bachelor of Science in security and safety provides a broad and balanced interdisciplinary program of study that will serve to produce an individual who has the capacity to function in a broad range of managerial positions in loss prevention and control.

Security and Safety

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... 30 hours
SEC 110, 210, 215, 225, 330, 333, 340, 352, 435, 441.

Supporting Course Requirements ..... 34 hours
ACC 201; CIS 212; GBU 204; INS 378; OSH 361; 362; PSY 201 or 202; FPC 221; 301; 305; 322.

General Education Requirements..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 2 hours

Upper Division Electives ..... 7 hours

Total Curriculum Requirements ..... 128 hours

MINOR IN BUSINESS AND INDUSTRIAL SECURITY

A student may minor in business and industrial security by completing a minimum of 18 semester hours as follows: SEC 110, 210, 225, 340, 441, 3 hours of upper division College of Law Enforcement electives.

Business and Industrial Security

ASSOCIATE OF ARTS

Major Requirements ..... **18 hours**
SEC 110, 210, 215, 225, 340, 441.
Supporting Course Requirements ..... **11 hours**
PSY 201 or 202; ACC 201; FPC 301.
General Education Requirements..... **27 hours**
LEO 100; ENG 101 and 102, or 105; 6 hours social sciences; 6 hours natural sciences; HPR 180; 181; HEA 281; 4 hours of restricted electives to be met by MIL 101, 102, 202 or 203 and 204, or by electives to be chosen outside the student's major field of study.
Free Electives ..... **8 hours**
Total Curriculum Requirements ..... **64 hours**

Course Descriptions

SEC—Security

110 Introduction to Security. (3) A. The role of security, its applications, and the security individual in modern society including an overview of the administrative, personnel, and physical aspects of the security field.

210 Security Technology and Hardware. (3) A. An in-depth analysis and hands-on application of security hardware; locks, security storage containers, electronic alarm devices, and alarm systems.

215 Legal Environment of Protective Services. (3) A. An application and examination of criminal and civil law as applied to security functions and practices. Emphasizes the legal responsibilities, authority and liabilities of the security person.

225 Industrial Security. (3) A. Prerequisite: SEC 110 or instructor approval. An overview of a loss prevention program within the structure of an industrial organization, including hazard and risk analysis, education and training, emergency and disaster planning, security devices and equipment.

330 Protection Management. (3) A. Prerequisite: SEC 110 or instructor approval. An overview of organizational, administration, and management practices of the security unit, including decision making, administration of personnel, and budgeting practices.

333 Comparative Security Programs. (3) A. Prerequisite: SEC 215 or instructor approval. Study of security problems and practices in specific areas. Topical subjects would be in bank, campus, computer, hospital and transportation security programs, etc.

340 Internal Security Controls and Investigation. (3) A. An overview and evaluation of security problems and threats from within the organization. The methods and motivations of employee crimes are examined in detail.

352 Security and Personnel Management Practices. (3) A. Prerequisite: SEC 215 or instructor approval. An analysis of security functions and responsibilities within the organizational environment. An application of criminal and civil law to security practices within the management and organizational framework.

435 Topical Security Problems. (3) A. Study of specific and current security problems within society. Topical subjects include computer security, information security, white collar crime, organized crime, terroristic activities, etc.

441 External Security Controls and Investigation. (3) A. An analytical evaluation of the major types and causes of external loss and theft that occur in business enterprise. The motivations and methods of the criminal element committing these profit draining crimes are examined in detail.

445 Field Experience. (3-12) A. Prerequisite: departmental approval. Field training is designed to broaden the educational experience through appropriate observational work assignments in cooperating agencies. May be retaken for a maximum of 12 hours.

455 Independent Study. (1-3) A. Prerequisite: departmental approval. Individual reading and research on a problem or area within the field of security after student consultation with the instructor. May be retaken for a maximum of 6 hours.

TRAFFIC SAFETY INSTITUTE

Browne, W., Chair; Koepke, Mann, McAfee, Ochs.

The primary function of the Traffic Safety Institute is to provide instruction, public service, and research in the broad area of traffic safety. The Institute offers a wide range of academic courses relative to the manpower needs within the traffic safety field in both the private and public sector.

MINOR IN TRAFFIC SAFETY (NON-TEACHING)

A student may minor in traffic safety by completing 18 hours from the following courses: TRS 232, 332, 413, plus 9 additional hours selected from the following courses: TRS 231, 233, 234, 349, 412, 414, 485, 486, 507, 587, 588.

DRIVER EDUCATION ENDORSEMENT OF ANY SECONDARY TEACHING MAJOR

The requirements for Driver Education Endorsement of any secondary teaching major are: TRS 385, 386, 587, 588.

Course Descriptions

TRS—Traffic Safety

231 Traffic Law Enforcement. (3) A. Study of administration, supervision, and operation of traffic law enforcement in state and local police departments.

232 Alcohol and Other Drugs—Traffic Crashes & Enforcement. (3) A. An extensive investigation into traffic-related areas of alcohol and other drugs, their origin, development, use and misuse, and the many complexities that have developed as a direct or indirect result of their abuse in our society.

233 Driving Techniques for Emergency Vehicles. (3) A. Instruction for drivers who operate emergency vehicles to prepare them for emergency and/or unusual driving situations specific to their job tasks. Instruction includes classroom and practical driving.

234 Motorcycle Safety. (3) A. Designed to develop in students the necessary concepts, principles, and competencies for use and protection of two-wheeled motorized vehicles including minibikes, mopeds, and motorcycles. Motorcycles and helmets are provided.

332 Traffic Accident Investigation. (3) A. A study of the principles and techniques underlying the investigation of traffic accidents. Designed to increase the investigator's knowledge and understanding necessary for gathering factual information through investigation as opposed to reporting traffic accidents.

349 Cooperative Education (1-8) A. Work in placements related to academic studies. One to 8 hours credit per semester or summer. A minimum of 80 hours work required for each academic credit.

385 Introduction to Driver and Traffic Safety. (3) A. Formerly TRS 485. Designed to provide the concepts, principles, judgment, and performance for safe, efficient use of the highway system. Provided is exposure to a multiple-phased driver educational instructional program.

386 Methods and Educational Media in Driver and Traffic Safety. (3) A. Formerly TRS 486. Designed to provide the competencies to organize and instruct driver education utilizing the multi-media system and the simulation system of instruction.

412 Current Developments in Driver and Traffic Control. (3) A. Current problems, trends, and developments are reviewed, analyzed, and evaluated relative to driver and traffic control and safety.

413 Research in Driver Control and Traffic Enforcement. (3) A. Designed to equip the student with the necessary means to analyze state and local problems from an administrative perspective. A review and evaluation of solutions to current problems related to driver control, law enforcement, or traffic safety.

414 Theory and Application of Implied Consent Laws and Chemical Test Procedures. (3) A. A study of the history and theories of chemical testing to determine blood alcohol concentration with particular reference to its application to the enforcement of traffic laws. Emphasis is placed on breath testing.

507 Independent Study in Driver and Traffic Safety Education. (1-6) A. Designed to give the student the opportunity to develop specific competencies by designing and conducting research in the broad area of traffic safety, or by independent reading assignments in the area of traffic safety education.

587 Behavioral Approaches to Driver and Traffic Safety. (3) A. Designed to study, analyze, and develop behavioral objectives applied to driving task instruction with study and evaluation of individualized learning approaches for programs in driver educaton.

588 Laboratory Instructional Programs in Driver and Traffic Safety. (3) A. Designed to provide the background, knowledge, and competencies to instruct the laboratory phases of the multiple-car driving range and on-street instruction. Provided are experiences related to implementation and administration of such programs.

COLLEGE OF NATURAL AND MATHEMATICAL SCIENCES

DONALD L. BATCH, Dean **WALLACE C. DIXON, Associate Dean**

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In cooperation with other colleges of the University, the College of Natural and Mathematical Sciences strives: 1) to provide courses of study for academic specialization in the natural and mathematical sciences and to offer programs to prepare students for pre-professional and professional fields and for graduate study and research; 2) to provide leadership in its areas of general education, appropriate general education courses, and in interdisciplinary programs in general education; 3) to provide a program of academic advisement for students majoring in programs within the College; 4) to provide academic specialization for students in teacher certification programs and to provide supporting courses for students majoring within other colleges; 5) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; and 6) to serve the community and region through public service and to engage in research to advance knowledge and enhance the primary function of instruction.

DEGREES OFFERED

The College of Natural and Mathematical Sciences offers the degrees of Associate of Science, Bachelor of Arts, Bachelor of Science, and Bachelor of Individualized Studies.

The Associate of Science is awarded to those in chemical technology, geological engineering technology, and the science of engineering. The Bachelor of Arts is conferred upon students who major in chemistry and geology. The Bachelor of Science is conferred upon students who major in biology, chemistry, computer science, earth science, environmental resources, fisheries management, geology, mathematics, microbiology, physics, statistics, and wildlife management. The Bachelor of Individualized Studies is offered in cooperation with the College of Arts and Humanities and the College of Social and Behavioral Sciences.

APPLICATION FOR PLANNED CURRICULUM

Students should apply for a planned curriculum to the Dean of the College. Students pursuing a baccalaureate degree must have completed at least 60 semester hours of course work and been accepted by a department in the College as a major in that department before applying for a planned curriculum. The planned curriculum is prepared in consultation with a faculty advisor from the department of the student's major. Any change in the planned curriculum must be approved by the advisor, departmental chair, and the Dean of the College.

REQUIREMENTS FOR GRADUATION

Students file an application for graduation in the Dean's office. They should apply by the end of April if they will complete requirements in December, by the end of October if they will graduate in May or August. Students are responsible for planning their program and to register for the proper courses so that they will have satisfied all degree requirements at the time they expect to graduate.

DEGREE REQUIREMENTS

1. A minimum of 128 hours with a grade-point average of 2.0 overall and in the major. Thirty of the last 36 hours must be earned at Eastern Kentucky University. This requirement may be waived upon recommendation by the departmental chair and approved by the Dean of the College.

2. The 128 hours must include 55 hours of general education (unless parts are waived) as follows: NMO 100, Academic Orientation; ENG 101 and 102, or 105; three to six hours Symbolics of Information; nine to 12 hours Humanities; nine to 12 hours Social Science; nine to 12 hours Natural Science; HPR 180, 181; HEA 281; and eight semester hours of Restricted Electives. Refer to Part Three of this Catalog for details on the general education and University requirements.

3. Area, major and minor requirements: Each student must have an area of concentration or a major. Students with a major in a non-teaching certification program are not required to have a minor. A student may have a major with supporting courses in lieu of minor if the student is obtaining teacher certification in biology, chemistry, or mathematics.

In teaching certification programs in earth science and physics, a student must have both a major and a certifiable minor. The minimum number of hours in an area of concentration is 48. The minimum number of hours for a minor is 18, except that it is 21 with teaching certification.

Students who transfer from another college or university must earn a minimum of 6 to 12 hours in their area or major at Eastern, the exact minimum to be determined by their advisor. When a minor is required, students must earn a minimum of one course in the minor at Eastern.

While specific requirements for each degree program are found in the appropriate departmental presentation, the Academic Orientation course, NMO 100, is common to all programs.

GRADUATE PROGRAMS

The College of Natural and Mathematical Sciences cooperates with the Graduate School in presenting graduate courses and programs. The Master of Science degree is offered in biology, chemistry, geology, mathematical sciences, and physics. The College of Education offers the Master of Arts in Education degree with options in biology, chemistry,

earth science, general science, mathematics, and physics. Eastern Kentucky University and the Department of Biological Sciences, in cooperation with the University of Kentucky and the School of Biological Sciences, offer the joint degree, Doctor of Philosophy. This degree is conferred by the University of Kentucky.

These programs are described in the Graduate School Catalog. Students desiring to pursue one of these programs should consult with the Graduate School and/or with the departmental chair.

COURSE NUMBERING

Courses numberd in the 500 series are open to seniors and graduate students who meet course and program prerequisites. **Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates.** Courses numbered in the 600 series are open only to graduate students.

Pre-Engineering Curricula

There are two pre-engineering curricula offered by the College of Natural and Mathematical Sciences.

In the first curriculum, students spend two years at Eastern and study basic science, mathematics, and courses for their basic education. Students then transfer their credits to the engineering school of their choice. If all of the requirements of the first two years are met, the student also qualifies for the Associate of Science degree in the Science of Engineering from Eastern. If students choose courses wisely, they can usually graduate after two years of work at the engineering school with a degree in engineering.

Science of Engineering

MAJOR, ASSOCIATE OF SCIENCE

Major Requirements ..... **16 hours**
IET 190 or 191; PHY 201; 202; 221.
Supporting Course Requirements ..... **15 hours**
CSC 174, MAT 124*, 224, 324
General Education Requirements..... **21 hours**
NMO 100; CHE 111; 112; ENG 101 and 102 or 105; 1 semester hour from either Areas II, III, or IV; 4 semester hours of restricted electives. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **12 hours**
Total Curriculum Requirements ..... **64 hours**

*College algebra and trigonometry may be required before admission to MAT 124.

In the second curriculum — the three-two curriculum — students spend three years at Eastern and may take two years of work in engineering at Georgia Institute of Technology, University of Kentucky, or Auburn University and get a four-year degree from Eastern in physics or chemistry and an engineering degree from the engineering school. The additional year spend at Eastern allows students to do more work in a science major, thus improving the breadth of their background.

Variations occur depending upon the engineering degree sought and the differing requirements of Georgia Institute of Technology, University of Kentucky, and Auburn University. Inquiries concerning a specific program should be addressed to the pre-engineering advisor, Department of Physics and Astronomy. A program representative of the first two years is given above. The third year curriculum will depend primarily on the undergraduate major sought, either physics or chemistry.

Pre-Forestry Curriculum

Arrangements made through the Southern Regional Education Board provide for students who wish to prepare as professional foresters to do the first two years of their work at Eastern Kentucky University and complete their training in two years and one summer at University of Kentucky or any other accredited school of forestry.

Students may elect a three-year program and graduate with a Bachelor of Science degree with a major in biology by transferring 30 semester hours from an accredited school of forestry.

Major Requirements ..... **26 hours**
BIO 131, 141, 211, 315, 335, 336, 328
Supporting Course Requirements ..... **42 hours**
AGR 215; CHE 111; 112; CON 221; CSC 171; 174; ENG 300; GLY 108; IET 190 or 191; MAT 122*; PHY 131; SPE 100 or 300; STA 209 and 210, or 270.
General Education Requirements..... **43 hours**
Standard General Eduction program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **111 hours**
*MAT 109 may be required before admission to MAT 121.

Pre-Optometry Curriculum

Students desiring to enter the competition for admission to an optometry school must complete a minimum of two years of pre-optometry courses. Actually, most successful applicants to schools of optometry complete three years, and many complete baccalaureate degrees before they are admitted. The application deadline for optometry schools is usually in December. A minimum of three years work is required in the optometry school for the Doctor of Optometry (O.D.). Some optometry schools require four years for the O.D., and several universities have graduate programs leading to the M.S. and Ph.D. degrees in addition to programs leading to the O.D.

Requirements for admission to optometry schools vary. Students wishing to enter a pre-optometry program should immediately secure transfer information from the optometry school of their choice and then consult with their pre-optometry advisor.

Courses which students may take to meet requirements for admission to optometry schools should include the following:

Major Requirements ..... **22 hours**
BIO 141, 211, 221, PHY 131, 132.
Supporting Course Requirements ..... **12 hours**
MAT 109; CHE 361; PSY 201.
General Education Requirements..... **29 hours**
NMO 100; CHE 111; 112; ENG 101 and 102, or 105; 3 hours social science; HPR 180; 181; 8 semester hours of Restricted Electives.

Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **1 hour**
Total Curriculum Requirements ..... **64 hours**

Most optometry schools have established quotas on the number of students that they will accept from each state. Because of this limitation, students must be accepted by the school of optometry and be certified as a resident of the state in which they live. Present circumstances are such that Kentucky residents will stand the best chance for acceptance at the University of Houston, the University of Alabama, and Southern College of Optometry at Memphis, which have contracts with the Commonwealth of Kentucky. Approved students are exempt from the out-of-state tuition charge at the above schools which would normally apply to Kentucky residents.

For residents in Kentucky to be accepted under the Kentucky quota, application must be made directly to one of the three contract schools listed above. A Certificate of Residency will be needed which may be secured from the Executive Director, Council on Public Higher Education, Frankfort, Kentucky 40601. Students from other states should make application to the equivalent board in their state. For further information, the student should consult with the Chair, Department of Physics and Astronomy.

Pre-Pharmacy Curriculum

Students who plan to enter the field of pharmacy may take two years of pre-pharmacy and transfer these credits to a pharmacy school. The courses listed below will meet the requirements of most pharmacy schools. Students wishing to enter the program should determine the admission requirements of the pharmacy school of their choice and after consulting their pre-pharmacy advisor, determine which courses to take.

Major Requirements ..... **31 hours**
BIO 131, 211, 221, CHE 111, 112, 361, 362, 365.
Supporting Course Requirements ..... **16-21 hours**
ECO 230, MAT 109*, 121, PHY 131, 132.
General Education Requirements..... **23 hours**
NMO 100; ENG 101 and 102, or 105; 6 hours social science, including 3 hours in course category 10 and 3 hours in course category 11; HPR 180; 181; 8 semester hours of restricted electives. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives..... **0-5 hours**
Total Curriculum Requirements ..... **75 hours**
*MAT 109 may be required before admission to MAT 121.

Pre-Medical Sciences

PREPARATORY CURRICULA

Students who have career interest in medicine, dentistry, veterinary medicine, osteopathic medicine, or podiatry may fulfill general admissions requirements of respective professional schools by pursuing one of several Bachelor of Science degree programs in the Department of Biological Sciences or the Bachelor of Arts degree program in the Department of Chemistry. Programs of study in either department will be concentrated in biology and chemistry but will be complemented with appropriate courses in the humanities, social sciences, and communications. Course work in mathematics and physics will also be required. All students having an interest in the medical field will be assigned an academic advisor who will work closely with them in planning a program of study and assist them with the process of gaining admission to the professional school of their choice.

Biology

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **32-33 hours**
BIO 131; 141; 211; 221 or 242 or 325 or 330 or 341; 315; 328 or 348; 490; 546; and 1 biological sciences elective at the 300-500 level. At least 1 field course must be included unless otherwise approved by the departmental chair.
Supporting Course Requirements ..... **32 hours**
CHE 111; 112; 361; 362; 365; MAT 121 or 261*; PHY 131; 132.
General Education Requirements..... **44 hours**
Standard General Education program, excluding course categories 13, 14, 15, 16, and 19. PSY 201 or 202 is required. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Recommended Courses..... **16 hours**
BIO 520, 547, CHE 325, 570.
Free Electives..... **3-4 hours**
Total Curriculum Requirements ..... **128 hours**
*MAT 109 may be required before admission to calculus.

Chemistry

MAJOR, BACHELOR OF ARTS

Major Requirements..... **30 hours**
CHE 111, 112, 325, 361, 362, 365, 570, and 3 hours of upper division chemistry electives.
Supporting Course Requirements ..... **13 hours**
MAT 121 or 261; PHY 201 and 202 or 131 and 132.
General Education Requirements..... **44 hours**
Standard General Education program, excluding course categories 13, 14, 15, 16, and 19. PSY 201 or 202 is required. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Recommended Courses..... **28 hours**
BIO 141, 211, 221, 315, 348, 546, 547.
Free Electives ..... **13 hours**
Total Curriculum Requirements ..... **128 hours**

Individualized Studies

BACHELOR OF INDIVIDUALIZED STUDIES

The Bachelor of Individualized Studies degree (B.I.S.) is a degree given and administered by three colleges: The College of Arts and Humanities, the College of Natural and Mathematical Sciences, and the College of Social and Behavioral Sciences. The program will provide students with a solid liberal arts education and the flexibility to pursue a unique interdisciplinary course of study of their own planning in pursuance of specific intellectual and/or career goals. It is intended further for students whose interests do not coincide readily with one of the traditional majors and who have the creative and integrative abilities necessary to plan and follow their own program. A few examples of types of programs which might be pursued are theatre management (combining drama and business), medical illustration (combining biology and art), and other area studies. Refer to the College of Arts and Humanities section of this Catalog for details regarding admission and curricular requirements.

Course Descriptions

NMO—Orientation

100 Academic Orientation.(1) I. An introduction to the programs of the University and the College. Discussion of how to study, what to consider in choosing a profession, and what career opportunities exist for graduates from the College's programs. Additional topics include University regulations, publications, and support areas. Not open to students with more than 30 semester hours.

CNM—Interdisciplinary

315 Topics in Natural Science General Education: _____. (3) A. An experimental course designed to be used for general education credit in fulfilling the requirements of course categories 15 and 16 in Area IV.

499 Independent Work. (3-6) A. Prerequisite: Cum. GPA 2.50 up to last semester of program in Bachelor of Individualized Studies degree. Independent research and/or field work required for the program of Bachelor of Individualized Studies degree.

500 Interdisciplinary Seminar: _____. (3) A. In-depth consideration of problems which involve several disciplines. A different problem will be considered each time course is offered. Representatives of various disciplines will participate in instruction. May be retaken for total of 6 hours.

GULF COAST RESEARCH LABORATORY COURSES (MAR)

Eastern Kentucky University is affiliated with the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. This affiliation provides undergraduate and graduate students with the opportunity to take courses and conduct research in marine sciences at an established, well equipped laboratory located on the Gulf of Mexico. Students electing to study at Gulf Coast Research Laboratory do not pay out-of-state tuition.

The following courses are taught only at Gulf Coast Research Laboratory, Ocean Springs, Mississippi, during the summer. The Laboratory furnishes the staff for courses work and research. Applications for the program and additional information are available in the Departments of Biological Sciences, Chemistry, and Geology and in the Division of Natural Areas.

Courses numbers in parenthesis are assigned by the Gulf Coast Research Laboratory.

MAR—Marine Sciences

341 Introduction to Marine Zoology (Zoology 141). (4) A. Prerequisites: 8 semester hours of biology, to include general zoology. A general introduction to the marine environment with emphasis on local fauna. Lectures by guest scientists; visits to local areas to consider research and economic importance of marine resources.

342 Oceanography I: Physical, Chemical and Geological (Oceanography 251). (5) A. Prerequisites: college algebra; 2 semesters of inorganic chemistry. Introductory course in oceanography; integration of fundamentals of chemical, geological and physical oceanography.

343 Oceanography II: Marine Biology (Oceanography 252). (5) A. Prerequisites: 8 semester hours of biology. A general introduction to marine biology with emphasis on local fauna and flora.

400 Special Problems in Marine Science (Marine Science 400). A. Prerequisites and credit to be set by Problem Director at the Laboratory. Supervised research on specific problems in all areas of marine science.

501 Marine Botany (Botany 341). (4) A. Prerequisites: 10 semester hours of biology; general botany. A survey of the principal groups of marine algae and maritime flowering plants; their structure, reproduction, distribution, identification, and ecology.

502 Salt Marsh Plant Ecology (Botany 441). (4) A. Prerequisites: 10 semester hours of biology; general botany. Emphasis on the botanical aspects of local marshes. Composition, structure, distribution, and development of coastal marshes.

503 Marine Microbiology (Microbiology 452). (5) A. Prerequisite: general microbiology. Introduction to microorganisms of oceans and estuaries. Course work includes sampling procedures, marine bacteria, taxonomy, mineralization, microbial fouling, pollution, and marine animal diseases.

509 Coastal Vegetation (Botany 331). (3) A. Prerequisites: 10 semester hours of biology; general botany. A study of general and specific aspects of coastal vegetation, with emphasis on local examples.

510 Marine Invertebrate Zoology (Zoology 361). (6) A. Prerequisites: 16 semester hours of zoology. Concentrated study of free-living marine invertebrates of Mississippi Sound and adjacent continental shelf with emphasis on the structure, classification, phylogeny, larval development, and functional processes.

511 Marine Vertebrate Zoology and Ichthyology (Zoology 362). (6) A. Prerequisites: 16 semester hours of zoology; comparative anatomy. A general study of marine Chordata, with emphasis on the fishes. Identification and classification of fishes stressed in laboratory.

512 Marine Fisheries Management (Zoology 442). (4) A. Prerequisites: ichthyology and fisheries biology. Practical marine fisheries management problems with emphasis on achieving optimum sustainable yield from marine resources; management methods, legal problems, and educational needs of fishing technology.

513 Behavior and Neurobiology of Marine Animals (Zoology 443). (4) A. Prerequisites: 16 hours of zoology and/or psychology. A survey of the behavior, neuroanatomy, and neurophysiology of selected marine animals. Emphasis on neural mechanisms underlying their behavior.

514 Parasites of Marine Animals (Zoology 461). (6) A. Prerequisite: general parasitology. Parasites of marine organisms with emphasis on morphology, taxonomy, life histories, and host-parasite relationships. Laboratory includes collecting, staining, mounting, and identification of parasites to the generic level.

515 Aquaculture (Zoology 464). (6) A. Prerequisites: general zoology, invertebrate zoology. Technology, principles, and problems relating to the culture of selected marine and estuarine organisms. Laboratory and field experience for participation in organized mariculture operations and/or research.

516 Early Life History of Marine Fishes (Zoology 448). (4) A. Prerequisites: ichthyology, fisheries, biology and ecology. Reproductive strategies and early developmental processes of marine fishes. Role of early stages of fishes in fisheries oceanography, marine ecology, and systematics; methods of sampling, identifying, and rearing fish eggs and larvae.

520 Marine Chemistry (Chemistry 461). (6) A. Prerequisites: 16 semester hours of chemistry; 3 to 6 semester hours of biology and geology. A study of chemical aspects of ocean ecosystems. Instrumentation includes gas-liquid chromatography, atomic absorption, spectrophotometry.

533 Coastal Marine Geology (Geology 431). (3) A. Prerequisites: 6 semester hours of geology. A study of inshore and nearshore geological processes, sedimentation patterns, and landform development.

541 Marine Ecology (Zoology 452). (5) A. Prerequisites: 16 semester hours of biology, including general botany and invertebrate zoology; analytical chemistry. A study of the relationship of marine organisms to their environment and factors affecting their abundance and distribution.

542 Fauna and Faunistic Ecology of Tidal Marshes (Zoology 447). (4) A. Prerequisites: 16 semester hours of biology. Survey and discussion of the taxonomy, distribution, trophic relationships, reproductive strategies, and adaptation of tidal marsh animals with emphasis on those occurring in northern Gulf marshes.

550 Marine Science for Teachers I: Basic Techniques (Marine Science Education 431). (3) A. Prerequisite: biology background. Designed to introduce in-service teachers to the study of marine science and to promote the teaching of marine biology at all grade levels.

551 Marine Science for Teachers II: Advanced Studies (Marine Science Education 432). (3) A. Prerequisite: MAR 550. A continuation of the prerequisite course, MAR 550.

GRADUATE COURSES

601 Special Topics in Marine Science (Marine Science 705). (1-6) A.

602 Seminar (Marine Science 510). (1) A.

603 Descriptive Physical Oceanography (Oceanography 541). (4) A.

604 Special Problems in Marine Science (Marine Science 700). A.

DEPARTMENT OF
BIOLOGICAL SCIENCES

Jones, S., Chair; Batch, Branson, Creek, Cupp, Farrar, Harley, Hess, R. Jones, Keefe, Lassetter, Mardon, Martin, McGlasson, Otero, Ritchinson, Rudersdorf, Schuster, Thompson, Varney, Williams.

The Department of Biological Sciences provides curricula for five major programs of study which fulfill the requirements for the Bachelor of Science degree: 1) Biology, and Biology-Teaching Option; 2) Environmental Resources; 3) Fisheries Management; 4) Microbiology; and 5) Wildlife Management. Intrinsic to these programs and the diversity of courses offered by the department are the specialties of the faculty and the career opportunities available to students in the biological sciences. Within the diversity of courses comprising the total curriculum, students may develop competencies in subject content and laboratory methodological approaches reflective of the many kinds of living organisms and the various ways of studying them.

For student research and course instruction in the resources management programs which require an "out-of-doors" laboratory setting, the Department has available, through the University's Division of Natural Areas, a variety of environmental settings such as Lilley Cornett Woods, Spencer-Morton Preserve, and Maywoods Environmental and Educational Laboratory. Additional opportunities for enrichment of the student's program of study, at the undergraduate and graduate levels, are available through the University's affiliation with Gulf Coast Research Laboratory, Ocean Spring, Mississippi, and Tech Aqua Biological Station, Cookeville, Tennessee. Both the Department and the Division of Natural Areas work cooperatively to assist students in attending these laboratories for specialized courses and research in terrestrial and freshwater ecology and marine science.

Students who seek a career in the teaching of biology should pursue the major in biology which stipulates the set of education courses required for teacher certification.

MINOR IN BIOLOGY

A student may qualify for a minor in biology by completing 21 semester hours of course work as outlined: BIO 131, 141, 211, and 9 additional hours selected from those 200 through 500 level courses which are acceptable for degree programs in biology. Biology 211 specified for the minor in biology has prerequisites of Chemistry 111 and 112.

Students who seek a career in teaching may desire certification in a minor area, in addition to their major program of study, to enhance their employment opportunities in the natural sciences. Teacher certification for a minor in biology will require 21 semester hours of course work as previously stipulated.

PRE-PROFESSIONAL PREPARATION

Students who have a career interest in either medicine, dentistry, veterinary medicine, osteopathic medicine, or podiatry may fulfill the general admissions requirements of respective professional schools by pursuing one of several major programs available in the Department of Biological Sciences, which will also fulfill the requirements for the Bachelor of Science. In addition to specific courses designated in the major that students elect to pursue, if not included in that major, the following courses are recommended: BIO 520; 546; 547; CHE 325; 365; 570; MAT 121 or 261* (Pre-medical and Pre-dental students who take the recommended courses in biology and chemistry may substitute PSY 201 for HEA 281). For specific course requirements for a major, the student is referred to the curricula for the various majors in the biological sciences.

Students may elect to complete only three years of their program of study, including all General Education requirements, and transfer the first year of academic work from an accredited school of medicine, dentistry, veterinary medicine, osteopathic medicine, or podiatry to complete the requirements for the Bachelor of Science degree. The three year program should include: BIO 131; 141; 211; 221 or equivalent; 315; 348; 490; and a field course; CHE 111; 112; 325; 361; 362; 365; MAT 121 or 261*; PHY 131; 132.

*MAT 109 may be required before admission to calculus.

Biology

MAJOR, BACHELOR OF SCIENCE

Major Requirements . . . . . **32 hours**
BIO 131; 141; 211; 221 or 242 or 325 or 330 or 341; 315; 328 or 348; 490; and 2 electives in biology at the 300-500 level, to include a field course unless otherwise approved by the departmental chair.

Supporting Course Requirements . . . . . **35 hours**
CHE 111; 112; 361; 362; 365; MAT 121* or 261; PHY 131; 132; STA 209 and 210, or 270.

General Education Requirements. . . . . **43 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives . . . . . **18 hours**

Total Curriculum Requirements . . . . . **128 hours**

*MAT 109 may be required before admission to MAT 121 or 261.

Biology (Teaching)

MAJOR, BACHELOR OF SCIENCE

Major Requirements . . . . . **32 hours**
BIO 131; 141; 211; 221 or 242 or 325 or 330 or 341; 315; 328 or 348; 490; and 2 electives in biology at the 300-500 level, to include a field course unless otherwise approved by the departmental chair.

Supporting Course Requirements . . . . . **61-65 hours**
CHE 111; 112; 361; 362; 365; EDF 102; 202; 317; ESE 441; 498; 499; EPY 318; MAT 107 or 109 or 121 or 261; PHY 131; PHY 132 or GLY 108; STA 209 and 210, or 270.

General Education Requirements. . . . . **43 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives . . . . . **0 hours**

Total Curriculum Requirements. . . . . **136-140 hours**

Environmental Resources

MAJOR, BACHELOR OF SCIENCE

Major Requirements . . . . . **28-29 hours**
BIO 131; 141; 211; 221 or 242 or 325 or 330 or 341; 315; 316; 328 or 348; 490.

Supporting Course Requirements . . . . . **17-18 hours**
CHE 111; 112; MAT 109 or 107 and 108; STA 270, or 209 and 210.

Additional Coruse Requirements . . . . . **21 hours**
Must complete 21 hours from the following groups of courses, at least 1 course from each group, and at least 7 semester hours at the 300-500 level:

- **Group A**-AGR 215, 315, 340, REC 201, 202, 316, 501, 506, 516.
- **Group B**-BIO 335, 336, 355, 381, 553, 558.
- **Group C**-GEO 303, 313, 316, 355, 402, 440, 556, PLA 220, 310, 490.
- **Group D**-GLY 108, 109, 351, 390, 410, 411, 580.
- **Group E**-ANT 201, 330, SOC 235, 332, 410, 450, ECO 230, POL 203, 370, 565, JOU 201, 305, 325, SPE 100.

General Education Requirements. . . . . 43 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog

for details on the General Education and University requirements.
Free Electives ..... **17-19 hours**
Total Curriculum Requirements ..... **128 hours**

Fisheries Management

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **58-59 hours**
BIO 131; 141; 211; 221 or 242 or 325 or 330; 315; 328 or 348; 490; 316; 335; 341; 510; 524; 557; 558; 561; 562; 598.
Supporting Course Requirements ..... **32-35 hours**
CHE 111; 112; 325; 361; 362; 365; 570 or 330; MAT 107 or 109 or 121 or 261; STA 270, or 209 and 210.
General Education Requirements ..... **43 hours**
Standard General Education program, excluding course categories 13, 14, 15 and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **0 hours**
Total Curriculum Requirements ..... **133-137 hours**

Microbiology

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **38-40 hours**
BIO 131 or 141; 211; 221; 315; 348; 490; 520; 527; 528; 530 or 531; 532; and a field course unless otherwise approved by the departmental chair.
Supporting Course Requirements ..... **39 hours**
CHE 111, 112, and 12 additional hours from CHE 361; 362; 365; 325; 570; 330 or 530; MAT 109; 121 or 261; PHY 131; 132.
General Education Requirements ..... **43 hours**
Standard General Education progam, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **6-8 hours**
Total Curriculum Requirements ..... **128 hours**

Wildlife Management

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **57-61 hours**
BIO 131; 141; 211; 221 or 242; 315; 316; 328 or 348; 335; 381; 382; 489; 490; 585; 587; 589; and 2 courses selected from: BIO 336, 355, 518, 553, 554, 557, 558, 561, 562, 599.
Supporting Course Requirements ..... **28-34 hours**
CHE 111; 112; 361; MAT 107 or 109 or 121 or 261; STA 270, or 209 and 210; GLY 414 or AGR 215; and 2 courses selected from: CHE 330, 362, 570, GEO 355, GLY 108, 109, PHY 131, 132, CON 221.
General Education Requirements ..... **43 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **0 hours**
Total Curriculum Requirements ..... **128-138 hours**

GRADUATE PROGRAMS

The Department of Biological Sciences offers the Master of Science degree in Biology and an option in Applied Ecology. A planned curriculum of study may be organized from a variety of courses which provide opportunities for students to develop competencies in subject matter content and a research area as to: ecology and wildlife biology, ecology of fresh water fishes and aquatic biology, ecology of forest and grassland communities, physiological ecology, animal and plant systematics, morphology, animal behavior, biochemistry and physiology of parasites, physiology and cell biology, endocrinology, microbiology, and other special interests in botany and zoology.

The Master of Arts in Education degree with an option in Biology is offered in the College of Education in cooperation with the Department of Biological Sciences. The College of Education in cooperation with other natural science departments participates jointly in the offering of the Master of Arts in Education with an option in general science.

A Ph.D. Program is offered through a joint participation agreement between the School of Biological Sciences at the University of Kentucky and the Department of Biological Sciences at Eastern Kentucky University. To participate in the joint Ph.D. program, the student must have completed the Master of Science degree in biology at Eastern Kentucky University. The Ph.D. degree will be conferred at the University of Kentucky.

The general requirements for admission to the Graduate School are described under that section in this Catalog, or more detailed requirements are specified in the Graduate Catalog. The Department of Biological Sciences provides specific information in a brochure: **Introduction to Graduate Studies in Biology,** which may be obtained upon request by prospective applicants.

Course Descriptions

BIO — Biological Sciences

131 General Botany. (4) I, II. Structure and functions of vascular plants and morphology of representatives of the plant kingdom. 2 Lec/4 Lab.

141 General Zoology. (4) I, II. Morphology, physiology, comparative anatomy, development, life history, evolution, and diversity of animals. 2 Lec/4 Lab.

161 Environmental Plant Science. (3) I, II. The relationship of plants to humans and the environment with emphasis on: nature of plants; current and future problems concerning population growth and food production; environmental impact aspects of herbicides, water, and air pollution. Credit does not apply toward a major or minor in biology. 2 Lec/2 Lab.

162 Environmental Animal Science. (3) I, II. The relationship of animals to humans and the environment with emphasis on body functions; population; disease and health; vanishing species; environmental impact aspects of waste control, pesticides, water, and air pollution. Credit does not apply toward a major or minor in biology. 2 Lec/2 Lab.

171 Human Anatomy. (3) I, II. A study of the basic anatomy of the human body and appropriate correlations with body functions. Credit does not apply toward a major or minor in biology. 1 Lec/4 Lab.

211 Principles of Biological Systems. (4) I, II. Prerequisites: BIO 131 or 141; CHE 112. Cellular structure and function; tissue-organ system levels of organization; reproduction and development; and heredity and evolution. 3 Lec/2 Lab.

221 Principles of Microbiology. (4) I, II. Prerequisites: BIO 211; CHE 112 or instructor approval. A study of bacteria and microorganisms, their morphology, development, and function; techniques of isolation, cultivation and identification, physiology, nutrition, and genetics; role of microbes in medicine, agriculture, and industry. 2 Lec/4 Lab.

242 Comparative Anatomy. (4) II. Prerequisite: BIO 141. Phylogeny and morphology of the classes of vertebrates. Comparative studies of organs and systems of vertebrate animals, based principally on the dogfish, necturus, and cat. 2 Lec/4 Lab.

BIO—Biological Sciences

273 Clinical Microbiology. (4) I, II. Prerequisites: BIO 171; CHE 101 or instructor approval. A study of microorganisms as causative agents in diseases of humans with emphasis on differentiation and culture, types of diseases, modes of transmission, prophylactic, therapeutic, and epidemiological considerations. Credit does not apply toward a major or minor in biology. 2 Lec/4 Lab.

276 Medical Microbiology. (5) I. Prerequisite: BIO 211 or instructor approval. Pathogenic bacteria and fungi commonly found in allied health facilities will be examined by typical hospital laboratory procedures with emphasis on identification and epidemiology. Credit does not apply toward a major or minor in biology nor allowed for both BIO 273 and BIO 276. 3 Lec/4 Lab.

300 Economic Plants. (3) I, II. Economic consideration of plants as sources of food, medicine, and other by-products; the origin, domestication, general anatomy, and culture of plants; deleterious plants; aspects of aesthetics and effects on society and world events. Credit does not apply toward a major or minor in biology.

301 Human Physiology. (3) I, II. Functions of human life processes at the cellular, tissue, and organ-system levels of organization with emphasis on homeostatic mechanisms will be considered in this course. Credit does not apply toward a major or minor in biology.

302 Human Heredity. (3) I, II. This course is the same as BIO 303, except that a laboratory is offered to demonstrate certain aspects of inheritance more thoroughly. A complete description is listed under BIO 303. Credit does not apply toward a major or minor in biology. 2 Lec/2 Lab.

303 Human Heredity and Eugenics. (3) I, II. Inheritance of human traits including blood groups, sex and sex-related traits, lethal factors, mental capacities, and metabolic disorders; pedigrees, family traits, and population trends. Credit does not apply toward a major or minor in biology.

304 Birds of Kentucky. (3) A. Popular consideration of birds of the eastern and central United States with emphasis on birds of Kentucky and especially birds of the local area. Field trips required. Credit does not apply toward a major or minor in biology. 2 Lec/2 Lab.

311 Microtechnique. (2) A. Prerequisite: BIO 211 or instructor approval. Techniques of preparing plant and animal tissue for microscopic study. 4 Lab.

315 Genetics. (4) I, II. Prerequisite: BIO 211. The physical and chemical basis of heredity and variation. Topics include segregation genetics, nature of genes, cytogenetics, mutation, and statistical procedures. 2 Lec/4 Lab.

316 Ecology. (4) I. Prerequisite: BIO 131, 141. Basic concepts and principles as applied to the study of organisms or groups of organisms in their interrelations to each other and to their environment. 2 Lec/4 Lab.

317 Conservation of Wildlife Resources. (3) I, II. Introduction to the principles and practices of conservation of plants and animals; requirements and values of wildlife resources; history and agencies of conservation. Credit does not apply toward a major or minor in biology.

321 Communicable Diseases. (3) A. Prerequisite: BIO 211 or 273 or instructor approval. A study of communicable diseases of humans. Topics include the clinical nature, laboratory diagnosis and differentiation from allied or related conditions; infectious agent, reservoir, mode of transmission, incubation period, susceptability, communicability, and resistance.

325 Plant Anatomy. (3) A. Prerequisite: BIO 131 or instructor approval. Anatomy and histology of vascular plants, phylogenetic developments, and adaptive modification. 1 Lec/4 Lab.

328 Plant Physiology. (4) II. Prerequisites: BIO 131, 211; CHE 112 or instructor approval. Application of elementary physical and biological principles to the understanding of plant processes involved in the assimilation, metabolism, and regulation of growth and development. 2 Lec/4 Lab.

330 Plant Morphology. (4) A. Prerequisite: BIO 131. Evolutionary morphology and the life histories of vascular and non-vascular plants. 2 Lec/4 Lab.

335 Plant Systematics. (3) II. Prerequisite: BIO 131. Identification, classification, and phylogeny of vascular plants; principles of taxonomy. 1 Lec/4 Lab.

336 Dendrology. (3) I. Prerequisite: BIO 131. Classification, identification, and distinguishing characteristics of families, genera, and species of trees and shrubs in summer and winter conditions; economic importance, ecological characteristics and distributions; vegetation regions of North America. 1 Lec/4 Lab.

341 Invertebrate Zoology. (4) A. Prerequisite: BIO 141. Comparative morphology, physiology, development, evolutionary relationship, and life histories of the invertebrate animals. 2 Lec/4 Lab.

348 General Physiology. (4) I, II. Prerequisites: BIO 211; CHE 112. A study of the physical and chemical aspects of mechanisms of function of animals at the organ-system level of organization in relationship to homeostasis, with appropriate laboratory methodology. 2 Lec/4 Lab.

349 Cooperative Study: Biology. (1-8). A. Work in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 8, associate; 16, baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit.

355 Entomology. (3) A. Prerequisites: BIO 141, 211. Taxonomy, identification, life histories, physiology, economic importance, methods of control, and collection of insects, with emphasis on local forms. 1 Lec/4 Lab.

371 Neuroanatomy. (4) I. Prerequisite: BIO 171 or equivalent. Anatomy of the nervous system and the relationships to functions of the systems of the human body. Credit does not apply toward a major or minor in biology. 2 Lec/4 Lab.

378 Human Physiology Laboratory. (1) I, II. Prerequisite: BIO 301 or concurrent enrollment. A series of experiments will be presented which will allow students to demonstrate some of the typical physiological processes of animals as these relate to human physiology. Credit does not apply toward a major or minor in biology. 2 Lab.

381 Principles of Wildlife Management. (3) I. Prerequisites: BIO 211, 316. Basic principles of wildlife management and their application to current problems.

382 Wildlife Techniques. (4) I. Prerequisite: BIO 381 or concurrent enrollment. Techniques used in habitat evaluation, game mapping, identification, population dynamics, and analysis. 2 Lec/4 Lab.

399 Trends in the Biological Sciences. (1-4) A. Prerequisite: instructor approval. A presentation of selected topics in the biological sciences reflective of new developments and current trends in scientific advancement. May be retaken for maximum of 6 hours of credit.

489 Field Studies in Wildlife. (1-3). A. Prerequisites: instructor and departmental chair approval. Field studies designed to enhance the student's wildlife management techniques. Required of all wildlife management majors during the junior or senior year for maximum of 3 semester hours.

490 Biology Seminar. (1) I, II. Prerequisite: junior or senior standing in biology. Students and members of the faculty meet to present, discuss, and exchange ideas on selected topics, based on the scientific literature for the biological sciences.

510 Quantitative Biology. (3) I. Prerequisite: 3 hours of college mathematics or instructor approval. Statistical analysis of biological data. Students participate in the taking of data and processing data by the use of well-established statistical techniques. 6 Lab-Disc.

514 Evolution. (3) A. Prerequisite: BIO 315 or instructor approval. Processes of organic evolution with emphasis on the theory of natural selection.

518 Parasitology. (3) A. Prerequisite: BIO 211. Principles of parasitology, including basic morphology, classification, life cycle, and host-parasite relationships. 2 Lec/2 Lab.

519 Clinical Parasitology. (3) II. Prerequisite: BIO 211 or instructor approval. To develop an understanding of and an appreciation for those parasites that are of medical importance to the health of humans throughout the world. 3 Lec-Lab.

520 Pathogenic Microbiology. (4) II. Prerequisite: BIO 221 or 273 or instructor approval. Studies in the field of advanced clinical microbiology with emphasis on morphology, cultivation, biochemistry, and serological identification of bacterial and mycotic diseases; and aspects of pathogenesis, epidemiology, and control measures of bacterial and mycotic diseases. 2 Lec/4 Lab.

521 Plant Ecology. (3) A. Prerequisites: BIO 131, 211 or instructor approval. Plant life in relation to natural habitats and environmental factors with emphasis on instrumentation and methodology for ecological studies. 2 Lec/3 Lab.

524 Phycology. (3) A. Prerequisite: BIO 131. Morphology, taxonomy, ecology, and the economic importance of freshwater algae. 2 Lec/2 Lab.

525 Aquatic Plants. (3) A. Prerequisite: BIO 131. Collection, identification, and recognition of the vascular aquatic plants; their structural and functional modifications. 6 Lec-Lab.

526 Plant Pathology. (3) A. Prerequisite: BIO 328 or instructor approval. Principles of plant pathology; significance and the nature of plant disease resistance, pathogenesis, and control. 2 Lec/2 Lab.

527 Immunology. (3) A. Prerequisties: BIO 221; CHE 361 or instructor approval. Characteristics of immune reactions at the molecular level and **in vivo**. Nature and interactions of antigens and antibodies, and allergic phenomena. 2 Lec/3 Lab.

528 Virology. (3) A. Prerequisite: BIO 221 or instructor approval. Fundamentals of classification, structure, and pathogenesis of viruses. Host-virus interactions and their applications to medicine and industry.

529 Infection Control. (3) A. Prerequisite: BIO 221 or instructor approval. This course is designed to provide an in-depth knowledge of how to perform surveillance in an allied health care facility, with emphasis on guide lines for determining infections, interpretation of clinical data and presenting health related data, and antibiotic utilization studies.

530 Microbial Physiology. (2) A. Formerly covered in part by BIO 522. Prerequisites: BIO 221; CHE 362 or instructor approval. Advanced study of microbial genetics, nutrition, and the effects of chemical and physical environments upon microorganisms in soil, aquatic habitats, and those of industrial importance.

531 Cell Biology. (3) A. Formerly covered in part by BIO 540. Prerequisites: BIO 211; CHE 361 or instructor approval. The molecular basis for cellular structure and function will be presented with emphasis on cellular energetics, the regulation of cellular function, and cell specialization.

532 Cell Biology Laboratory. (2) A. Pre/corequisite: BIO 530 or 531 or instructor approval. A laboratory course correlated with BIO 530 or 531. Experiments will be performed on: cellular growth, nutrition, mutagenesis, protein synthesis, receptor affinity and DNA analysis, utilizing techniques of electrophoresis, chromatography, ultracentrifugation, liquid scintillation counting, and cell cultivation. 4 Lab.

542 Natural History of Invertebrates. (3) A. Prerequisite: BIO 141 or instructor approval. Collection, systematics, distribution, behavior, ecology, and life histories of terrestrial and freshwater invertebrates. 1 Lec/4 Lab.

546 Histology. (4) I. Prerequisite: BIO 211. Microscopic anatomy of normal vertebrate cells, tissues, and organs. 2 Lec/4 Lab.

547 Comparative Vertebrate Embryology. (4) II. Prerequisite: BIO 211. Gametogenesis, fertilization, morphogenesis and organogenesis of the frog, bird, and mammal. Particular emphasis is placed on mammalian development. 2 Lec/4 Lab.

549 Endocrinology. (3) A. Prerequisites: BIO 348; CHE 361 or instructor approval. A general introduction to the field of vertebrate endocrinology; homeostatic models of endocrine mediated events; functions of major endocrine glands; neuroendocrine mechanism, and the integrative aspects of hormonal mediated processes. 1 Lec/4 Lab.

550 Animal Behavior. (4) A. Prerequisite: BIO 211. Advanced study of behavior with emphasis on inherited behavioral patterns in relation to the evolution and ecology of animals. 3 Lec/2 Lab.

553 Mammalogy. (3) A. Prerequisite: BIO 242 or 316 or instructor approval. Classification, natural history, field methods, and distribution of mammals. 1 Lec/4 Lab.

554 Ornithology. (3) A. Prerequisite: BIO 211 or instructor approval. Avian biology with emphasis on field identification of local avifauna, anatomy, physiology, ecology, evolution, migration, economic importance, distribution, and behavioral patterns. Early morning field trips required. 2 Lec/4 Lab.

556 Herpetology. (3) A. Prerequisite: BIO 141 or instructor approval. Natural history of the amphibians and reptiles including taxonomy, general ecology, behavior, distribution, breeding, and food habits. 2 Lec/3 Lab.

557 Ichthyology. (3) A. Prerequisite: BIO 141. Internal and external morphology, taxonomy, life histories, ecology, and phylogeny of the fishes of North America with emphasis on Appalachian fauna. 6 Lec-Lab.

558 Limnology. (3) A. Prerequisite: BIO 316 or instructor approval. Ecology of lakes and streams with special reference to physical, chemical, and biological factors of lotic and lentic environments. Comparative field investigations, methods and instruments of limnological field investigation of lakes and streams. 1 Lec/4 Lab-Disc.

561 Fisheries Biology. (4) A. Prerequisite: BIO 557 or instructor approval. Study of anatomy, life histories, disease, conservation, methods of harvest, economic importance, and ecological interactions of fishes. 2 Lec/6 Lab.

562 Fisheries Management. (4) A. Prerequisite: BIO 557 or instructor approval. Methods of fish-catching in the world, making and setting nets, construction of fish ponds, management of lakes, ponds and streams. The culture of game fishes, fisheries statistics, and field experience. 2 Lec/6 Lab.

585 Regional Wildlife Ranges. (3) A. Prerequisite: BIO 382 or 316 or instructor approval. Composition, distribution, history, and management of wildlife resources in biotic regions of North America with emphasis on land use and wildlife population trends.

587 Resident Wildlife Resources. (4) A. Prerequisite: BIO 382. Taxonomy, life histories, distribution, environmental needs, economic status, and plans for management of resident wildlife on forest, farm, and rangeland. 2 Lec/4 Lab.

589 Migratory Wildlife Resources. (4) A. Prerequisite: BIO 382. Taxonomy, life histories, distribution, environmental needs, economic status, and plans for management of doves, waterfowl, and marsh birds. 2 Lec/4 Lab.

597 Instrumentation and Biological Methodology. (2) I. Prerequisite: BIO 211. Methodological approaches and theory of instrumentation applicable to biological research and biomedical technology will be presented, with emphasis on types of electrophoresis, methods of chromatography, spectrophotometric analysis, radiation measurements, radioimmunoassay techniques, and basic biochemical calculations. 4 Lab.

598 Special Problems. (1-3) I, II. Prerequisite: junior or senior standing with instructor and departmental chair approval. Independent research in the biological sciences, under the guidance of a faculty member, which allows students to design a research problem and make experimental observations and conclusions. May be retaken for a maximum of 4 semester hours.

599 Topics in Biological Sciences. (1-6) A. Prerequisite: BIO 211 and instructor approval. Special topics in the biological sciences of current interest to faculty and students will be presented through lecture, discussion, and reports. May be retaken for a maximum of 6 semester hours.

GRADUATE COURSES

601 Scientific Literature and Writing in Biology. (2) I.
602 Select Topics in Biological Sciences. (1-3) A.
606 Aquatic Entomology. (3) A.
612 Cytology and Cytogenetics. (4) A.
616 Biogeography. (3) A.
621 Medical Mycology. (3) A.
625 Plant Morphogenesis. (3) A.
640 Plant Communities. (3) A.
645 Vertebrate Physiological Ecology. (3) A.
647 Advanced Animal Ecology. (3) A.
648 Environmental Analysis of Aquatic Ecosystems. (3) A.
649 Field Methods in Ecology. (3) A.
650 Dynamics of Ecosystems. (2) A.
690 Graduate Seminar. (1) A.
691 Thesis Research. (1-6) A.

DEPARTMENT OF
CHEMISTRY

Smiley, H., Chair; Bendall, Byrn, Davidson, Luts, Meisenheimer, Powell, Reeder, Salyer, Schulz, Taylor, Thompson.

The Department of Chemistry has undergraduate programs leading to the Bachelor of Science, Bachelor of Arts, and the Associate of Science.

The Bachelor of Arts degree program constitutes a 30 semester hour major with a maximum of free electives and is designed for students who have an interest in chemistry, but who are not strongly inclined toward the research aspect of the profession. Students acquiring this B.A. in Chemistry are encouraged to use their free electives to develop another area of interest such as a second major or a minor.

The B.A. degree program in chemistry is particularly well suited for the pre-medical and pre-dental student. The pre-medical and pre-dental advisor can outline a program of study which, with the proper selection of electives, will fulfill all entrance requirements for medical or dental college. In addition, students may elect to complete only three years of this program, including all general education requirements, and use the first year of successful academic work from an accredited school of medicine, osteopathic medicine, dentistry, or podiatry to complete the requirements for this degree. The three-year program should include CHE 111; 112; 325; 361; 362; 365; BIO 141; 211; 221; 315; 348; MAT 109; 121 or 261; PHY 131; 132.

The Bachelor of Science degree program should be pursued by those students desiring to prepare for graduate school or desiring to gain immediate employment in industrial or governmental laboratories. This program requires 43 semester hours of chemistry, and students desiring the B.S. with American Chemical Society certification need to elect six additional hours of advanced chemistry courses.

A student may acquire teacher certification by earning the B.S. with additional courses in psychology and education. Only 33 hours of chemistry are required for this option.

The Associate of Science in Chemical Technology will prepare students for jobs as laboratory technicians in a variety of industrial plants. The emphasis in this program will be on achieving competence in laboratory manipulations rather than chemical theory. The curriculum includes a number of areas related to chemical technology which could be useful in a particular type of industry. The selection of electives should be discussed with the advisor.

Chemistry

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **30 hours**
CHE 111, 112, 325, 361, 362, 365, 570, and 3 hours of upper division chemistry electives.
Supporting Course Requirements ..... **13 hours**
MAT 121 or 261; PHY 131; 132 or 201; 202. It is recommended and expected that pre-medical and pre-dental students in this degree program also take BIO 141, 211, 221, 315, 348, 546, 547.
General Education Requirements..... **46 hours**
Standard General Education program, excluding course categories 14, 15, and 16. Category 13 is also excluded and PSY 201 or 202 is substituted for HEA 281 for pre-medical and pre-dental students. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **39 hours**
Total Curriculum Requirements ..... **128 hours**

Chemistry

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **43 hours**
CHE 111, 112, 325, 361, 362, 365, 450, 471, 472, 473, 480, 514, 525, 565. For ASC certification, the student must elect 6 additional hours of advanced chemistry courses.
Supporting Course Requirements ..... **19 hours**
MAT 121; 122; 223; PHY 201 and 202. For the ACS certified degree a reading knowledge of German or Russian is required. Completion of GER 203 or RUS 202 with a grade of "C" satisfies the requirement. A year of foreign language is recommended.
General Education Requirements..... **46 hours**
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **20 hours**
Total Curriculum Requirements ..... **128 hours**

Chemistry (Teaching)

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **33 hours**
CHE 111, 112, 325, 361, 362, 365, 570, and 6 hours of upper division chemistry courses.
Supporting Requirements ..... **41 hours**
EDF 102; 202; 317; EPY 318; ESE 451; 498; 499; MAT 121; PHY 201 and 202 or 131 and 132; one year of foreign language is recommended.
General Education Requirements..... **46 hours**
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **8 hours**
Total Curriculum Requirements ..... **128 hours**

Chemical Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... **21-22 hours**
CHE 111, 112, 226, 227, 102 or 361.
Supporting Course Requirements ..... **15-17 hours**
CIS 212; ECO 230; ENG 300; MAT 107 or 109; MGT 300.
General Education Requirements..... **11 hours**
NMO 100; ENG 101 and 102, or 105; 4 semester hours of restricted electives. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives..... **14-17 hours**
Total Curriculum Requirements ..... **64 hours**

MINOR IN CHEMISTRY

A student may minor in chemistry by completing CHE 111, 112, 361 and 5 hours of upper division chemistry courses chosen from the following courses: CHE 325, 330, 362, 471, 472, 473, 570. Students desiring to acquire a minor in chemistry for teaching certification need a total of 21 semester hours of chemistry. The student should complete CHE 111, 112, and 361 and 8 additional hours from those courses listed in the above paragraph.

GRADUATE PROGRAMS

The Department of Chemistry offers the degree of Master of Science with a major in chemistry.

The Master of Arts in Education degree with an option in chemistry is offered in the College of Education with the cooperation of the Department of Chemistry. The regulations for the degree program can be found in the College of Education section of this Catalog.

Course Descriptions

CHE — Chemistry

100 Molecules and Modern Society. (3) A. No credit for major or minor in chemistry. Survey course for non-science majors. A study of carbon-containing chemicals in the essential areas of food, clothing, housing, and health.

101 General Chemistry I. (4) I, II. For students who will take only one year of chemistry. Chemical bonding, structure of matter, chemical equilibrium, and descriptive inorganic chemistry. 3 Lec/2 Lab. Credit not allowed for both CHE 101 and CHE 111.

102 General Chemistry II. (5) I, II. Prerequisite: CHE 101. Continuation of CHE 101, emphasis on elementary organic chemistry, biochemistry, and industrial chemistry. 3 Lec/1 Rec/2 Lab.

105 Chemistry for the Health Sciences I. (4) I, II. An introductory course for students in Allied Health. Principles of bonding, structure and reactivity related to biological processes. 3 Lec/2 Lab. Credit not allowed if received for CHE 101 or 111.

106 Chemistry for the Health Sciences II. (4) I, II. Continuation of CHE 105 with emphasis on biochemical compounds. 3 Lec/2 Lab. Credit not allowed if received for either CHE 102 or 330.

111 Introductory Chemistry I. (4) I, II. Designed to prepare student

for further study in chemistry. Nomenclature, structure of matter, stoichiometry, chemical bonding, chemical change. 3 Lec/2 Lab. Credit not allowed for both CHE 101 and CHE 111.

112 Introductory Chemistry II. (5) I, II. Prerequisite: CHE 111. Continuation of CHE 111. Coordination compounds, descriptive inorganic chemistry, solution chemistry and analytical chemistry. 3 Lec/4 Lab.

226 Analytical Laboratory Techniques I. (4) A. Prerequisite: CHE 112. Physical and chemical testing of materials; gravimetric and volumetric techniques; methods of measurement and sampling, recording and reporting of results and their statistical evaluation. 2 Lec/6 Lab.

227 Analytical Laboratory Techniques II. (4) A. Prerequisites: CHE 226 and CHE 102 or 361. Continuation of CHE 226. Inorganic and organic analyses by instrumental techniques, including potentiometry, electroanalysis, colorimetry, visible, and infrared spectroscopy, gas chromatography and emission spectroscopy. 2 Lec/6 Lab.

325 Quantitative Analytical Chemistry. (4) A. Prerequisite: CHE 112. Introductory course in gravimetric, volumetric, colormetric, and electrometric analysis, including the interpretation of chemical data and calculations. 2 Lec/6 Lab.

330 Introductory Biochemistry. (3) A. Prerequisite: CHE 102 or CHE 361 or departmental approval. Not open for non-teaching chemistry majors. Compounds and reactions of biological and nutritional importance. Amino acids, proteins, lipids, carbohydrates, vitamins, enzyme systems, digestion, absorption, pathways. 2 Lec/2 Lab.

334 Elements of Pharmacology. (3) A. Prerequisite: CHE 330 or equivalent. Introductory coverage of drugs commonly used in medical practice and their effect on human organism. Not applicable for a major or minor in chemistry.

346 Clinical Chemistry. (6) II. Prerequisites: CHE 325, 361. An introduction to the theory and laboratory techniques of clinical chemistry with emphasis on applied instrumentation. 3 Lec/6 Lab.

349 Cooperative Study: Chemistry. (1-8) A. Work in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 8, associate; 16, baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit.

361 Organic Chemistry I. (4) I, II. Prerequisite: CHE 112. Bonding; structure; reaction theory; aliphatic hydrocarbons; functional groups; stereochemistry; aromatic hydrocarbons; spectroscopy; substitution and elimination reactions.

362 Organic Chemistry II. (4) I, II. Prerequisite: CHE 361. Alcohols and ethers; aldehydes and ketones; carboxylic acids and derivatives; carbanions; amines; phenols; carbohydrates and amino acids.

365 Organic Chemistry Laboratory. (2) I, II. Prerequisite: CHE 361. Experimental work to illustrate principles of organic chemistry and to introduce research techniques. 6 Lab.

397 Elementary Glass Working. (1) A. Instruction and practice in the basic techniques used to repair and make simple glass apparatus. 3 Lab.

421 Analytical Instrumentation. (4) A. Prerequisite: 1 year of organic chemistry or instructor approval. Instrumental techniques in analytical chemistry. Emphasis on nuclear magnetic resonance and infrared spectroscopy. (Cannot be substituted for CHE 525, and credit not allowed for both CHE 421 and CHE 525.) 2 Lec/6 Lab.

450 Inorganic Chemistry. (3) I. Prerequisite: CHE 472 or instructor approval. Modern concepts of atomic nuclei, atomic structure, and classification of elements. Completions and coordination compounds. Theories of bonding.

471 Physical Chemistry. (4) I. Prerequisites: CHE 361; MAT 223 (or concurrent enrollment); PHY 202. Thermodynamic properties of physiochemical systems; free energy and equilibria; kinetic theory of gases and reaction rates; electrochemical processes; electrolytic solutions and activity coefficients.

472 Physical Chemistry. (2) II. Prerequisites: CHE 471; MAT 223. Atomic and molecular structure; spectroscopy; partition functions and thermodynamic relations.

473 Experimental Physical Chemistry. (2) II. Prerequisites: CHE 325; CHE 471 or instructor approval. Experimental work to illustrate principles of physical chemistry and to introduce research techniques. 4 Lab.

480 Seminar. (1) II. Prerequisite: senior standing. Presentation of significant developments from recent literature to members of the chemistry faculty and departmental majors. One weekly meeting. May be retaken for a maximum of 2 hours credit.

495 Introduction to Research. (3-5) I, II. Prerequisites: CHE 361; 471 or instructor approval. Objectives and techniques of chemical research. Problems in all fields of chemistry. May be repeated once for a maximum of 10 hours of credit.

501 Chemtopics:_____. (1-3) A. Prerequisite: instructor approval. Topics to be chosen from current and/or specialized area of chemistry such as environmental chemistry or industrial chemistry, and will vary according to student need. Course may be retaken for a maximum of 6 credit hours.

511 Principles of Chemistry I. (3) A. Selected concepts in chemistry in depth. Equation of state, thermodynamics and chemical equilibrium. Not available for credit if the student has taken CHE 471 and 472 or their equivalent.

512 Principles of Chemistry II. (3) A. Continuation of CHE 511. Chemical kinetics, electrochemistry and other selected topics. Not available for credit if the student has taken CHE 471 and 472 or their equivalent.

514 Chemical Literature. (1) A. Prerequisites: CHE 361; CHE 472 or instructor approval. Introduction to the use of fundamental periodicals, abstract journals, handbooks, review series, and encyclopedia of chemistry.

525 Instrumental Methods. (4) A. Prerequisites: CHE 362 and 472 or instructor approval. Colorimetric, spectrophotometric (including infrared), conductometric, potentiometric, polarographic, and chromatographic methods and determinations; methods of nuclear chemistry. 2 Lec/6 Lab.

530 Biochemistry I. (4) II. Prerequisites: CHE 362; CHE 471 or instructor approval. Chemistry, matabolism and biosynthesis or carbohydrates, proteins, and lipids; the action of vitamins, hormones, and enzymes related to cellular metabolism and body processes. 3 Lec/3 Lab.

531 Biochemistry II. (4) A. Prerequisite: CHE 530. Continuation of CHE 530. Topics included are nucleoproteins, energetics, biological catalysis, and functions of biologically important materials. 3 Lec/3 Lab.

555 Inorganic Preparations. (3) II. Prerequisite: CHE 450 or instructor approval. Crystallization, distillation, furnace methods, electrolytic processes, and gas handling in synthesis of alloys, oxides, salts, coordination compounds, polyacids, and anomalous salts. 1 Lec/6 Lab.

560 Mechanistic Chemistry. (3) A. Prerequisites: CHE 362; CHE 472 or instructor approval. Survey of new reactions and comprehensive study of reaction mechanisms.

565 Qualitative Organic Analysis. (3) A. Prerequisite: CHE 362 or instructor approval. Identification of unknown organic substances through a systematic study of their physical and chemical properties and their chemical derivatives. 1 Lec/6 Lab.

570 Physical Chemistry for Biological Sciences. (4) I. Prerequisite: CHE 325 or instructor approval. States of matter, colligative properties of solutions, thermodynamics, equilibrium, electrochemistry, colloids, and reaction kinetics. 3 Lec/3 Lab.

585 Principles of High Polymers. (3) A. Prerequisite: CHE 362. Preparation and characterization of high polymers; monomers, condensation and addition polymerization; radical, anionic, and cationic initiation. Emphasis on microstructure of the polymer chain and its effect on macromolecular physical properties. 2 Lec/3 Lab.

GRADUATE COURSES

602 Selected Topics in Analytical Chemistry. (1-3) A.
603 Selected Topics in Biochemistry. (1-3) A.
605 Selected Topics in Inorganic Chemistry. (1-3) A.
606 Selected Topics in Organic Chemistry. (1-3) A.
607 Selected Topics in Physical Chemistry. (1-3) A.
610 History of Chemistry. (3) A.
611 Theoretical Chemistry. (2) A.
613 Principles of Chemistry III. (4) A.
624 Separation Methods. (2) A.
625 Spectroscopy. (2) A.
645 Chemical Laboratory and Demonstration Techniques. (1-4) A.
651 Structure and Reactivity. (1) A.
673 Chemical Thermodynamics. (2) A.
680 Graduate Seminar. (1) II.
681 Seminar in the Teaching of Chemistry. (1) A.
682 Seminar in: _____. (3) A.
690 Graduate Literature Program. (2) I.
695 Graduate Research. (1-6) I, II.

SCI — Science

310 History of Science. (3) I, II. The development of scientific concepts through the ages; contribution of science to civilization; philosophy of science; biographical sketches.

DEPARTMENT OF

GEOLOGY

Kuhnhenn, G., Chair; Ewers, Helfrich, Kepferle, Leung, Smith, VanArsdale.

The Department of Geology offers curricula leading to the Bachelor of Arts degree in geology, the Bachelor of Science degrees in geology and earth science, and the Associate of Science degree in geological engineering technology. The geology and geological engineering technology programs are directed toward students pursuing geology as a non-teaching profession.

Geology

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **30 hours**
GLY 108, 109, 209, 310, 408, 410, 411, 412, plus 3 hours of approved geology courses.
Supporting Course Requirements ..... **19-22 hours**
BIO 162 or 141 or NAT 101; CHE 101 or 111; MAT 107 or 109; PHY 101 or NAT 171; and 2 semesters foreign language approved by department.
General Education Requirements..... **43 hours**
Standard General Education program, excluding course categories 13, 14, 15 and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives..... **33-36 hours**
Total Curriculum Requirements ..... **128 hours**

Geology

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **37-39 hours**
GLY 209, 310, 311, 410, 411, 412, 451, 550, and 2 additional approved geology courses.
Supporting Course Requirements ..... **32 hours**
BIO 141; CHE 111; 112; GEO 355; MAT 121; 122 or MAT 261; 262; PHY 131; 132. Some statistics and computer science are recommended.
General Education Requirements..... **43 hours**
Standard General Education program excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives..... **14-16 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN GEOLOGY

A student may minor in geology by completing a minimum of 18 (21 for teaching certification) semester hours as follows: GLY 108, 109, and a minimum of 12 hours of approved geology courses.

Earth Science (Teaching)

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **31 hours**
AST 135, GEO 210, 215, GLY 104, 108, 109, 208, 351, 390, 414.
Supporting Course Requirements ..... **36 hours**
BIO 141; CHE 101 or 111; EDF 102; 202; 317; EPY 318; ESE 451; 498; 499.
General Education Requirements..... **43 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Minor Requirements ..... **21 hours**
A 21 hour teaching minor is required (geography or mathematics is recommended).
Free Electives..... **0-7 hours**
Total Curriculum Requirements ..... **131 hours**

MINOR IN EARTH SCIENCE (TEACHING)

A student may minor in earth science by completing a minimum of 21 semester hours as follows: GLY 104, 108, 109, 208, 390, GEO 215, AST 135. An earth science minor is not recommended for non-teaching majors. For secondary certification, the minor in earth science must be taken in conjunction with an area of concentration in science.

Geological Engineering Technology

ASSOCIATE OF SCIENCE

The Department of Geology offers a two-year program in the area of geological engineering for the purpose of training engineering assistants. A graduate of this program would be qualified to seek employment with state highway departments, civil engineers, geological engineers, and mining or construction companies.

Major Requirements ..... **15 hours**
GLY 108, 109, 207, 408, 414.
Supporting Course Requirements ..... **22 hours**
CHE 101; CSC 174; ECO 230; GEO 355; IET 190 or 191; MAT 107; 108.
Additional Course Requirements ..... **9 hours**
Must complete 9 semester hours from one of the following groups of courses:
Group A-GLY 351, 410, 412, 505, 530, 535.
Group B-CON 121, 221, 321 or 322.
Group C-CMA 110, 200, 410.
General Education Requirements..... **11 hours**
NMO 100; ENG 101 and 102, or 105; 4 semester hours of restricted electives.
Free Electives ..... **10 hours**
Total Curriculum Requirements ..... **67 hours**

GRADUATE PROGRAMS

The Department of Geology offers the Master of Science degree in geology. More specialized studies are available in the mining, petroleum geology, and hydrogeology options.

The Master of Arts in Education degree with an option in earth science is offered in the College of Education with the cooperation of the Department of Geology. The Department of Geology cooperates with the other natural science departments and the College of Education in offering the Master of Arts in Education with an option in general science. Regulations for these degrees can be found in the College of Education section of the Graduate Catalog.

Course Descriptions

Two courses in Marine Geology are offered (in cooperation with Gulf Coast Research Laboratory).

GLY — Geology

104 Introduction to Oceanography. (3) I, II. The ocean basins, water circulation, energy budgets, ocean floor sediments, and marine life environments. Interactions with the atmosphere and lithosphere will be considered.

107 Principles of Geology. (3) I, II. Non-laboratory physical science. Course content is same as GLY 108 except that laboratory is replaced by discussion section covering selected general interest topics. Credit not allowed for both GLY 107 and 108.

108 Principles of Geology. (3) I, II, S. General geology including the study of common minerals and rocks and geologic processes. Designed primarily or non-science majors. Credit not allowed for both GLY 108 and 107. 2 Lec/2 Lab.

109 Principles of Historical Geology. (3) I, II. General study of the physical and biological history of the earth. Designed primarily for non-science majors. 2 Lec/2 Lab.

207 Engineering Geology. (3) A. Prerequisite: pre-engineering or construction major or departmental approval. Physical geology applied to engineering problems. Emphasizing soil water, settlement and consolidation, groundwater flow, slope stability, bearing capacity, and laboratory and field techniques. 2 Lec/2 Lab.

208 Minerals, Rocks and Fossils. (3) A. Origin, distribution, and identification of common minerals, rocks, and fossils. 2 Lec/2 Lab.

209 Introduction to Mineralogy. (5) I. Formerly GLY 309. Prerequisite: CHE 111 or departmental approval. Classification, genesis, occurrence, and use of minerals with introduction to crystallography. Emphasis placed on physical mineralogy, mineral identification, and mineral genesis. 3 Lec/4 Lab.

302 Earth Science. (3) I, II. Introduction to the universe and our solar system, the earth's atmospheric and climatic elements, its physical processes and features, organic development, and natural resources.

310 Petrology. (3) II. Formerly GLY 312. Prerequisite: GLY 209. Origin and nature of igneous, sedimentary, and metamorphic rocks with emphasis on hand specimen identification and classification of important rock types. 2 Lec/2 Lab.

311 Optical Mineralogy. (4) I, II. Prerequisite: GLY 209. Identification of non-opaque minerals by oil-immersion methods with a petrographic microscope. 2 Lec/4 Lab.

349 Cooperative Study: Geology. (1-8) A. Prerequisite: departmental approval. Work in placement related to academic studies. One to 8 hours credit per semester or summer. Total hours: 8, associate; 16, baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit. May not be used to satisfy major or minor requirements.

351 Field Geology. (3) A. Prerequisite: junior standing or departmental approval. Field techniques, plane table surveying, description and measurement of stratigraphic sections, and fundamental geologic mapping. 1 Lec/4 Field (Saturdays).

390 Environmental Geology. (3) I, II. Study of interaction of human activity and hazardous geologic processes. Designed for non-science majors.

398 Independent Studies in Geology. (1-6) I, II, S. Prerequisite: departmental approval. Topic determined by student and instructor. Written proposal of study required before registration. May be retaken for total of 6 hours.

408 Process Geomorphology. (3) A. Prerequisite: GLY 108 or departmental approval. In-depth study of geologic processes affecting development of earth's surficial features. Emphasis on models of landform development.

410 Structural Geology. (3) I. Prerequisites: GLY 209 and MAT 109 or departmental approval. Architecture of the earth. Emphasis on properties and behavior of rocks under stress and strain and solution of structural problems. 2 Lec/2 Lab.

411 Invertebrate Paleontology. (4) I. Prerequisite: BIO 141 or departmental approval. Morphology, distribution in time and space, evolution, and paleoecology of fossil invertebrates. 2 Lec/4 Lab.

412 Stratigraphy and Sedimentation. (3) II. Prerequisite: GLY 209. Principles of stratigraphy and sedimentation with references to North American rock sequences. 2 Lec/2 Lab.

414 Geology of Soils. (3) A. Prerequisite: CHE 111 or departmental approval. Chemical and physical characteristics of soils and soil morphology. Special attention is given to ion exchange, texture, water, and permeability.

451 Geologic Field Studies. (6) S. Prerequisite: GLY 410 or departmental approval. A six-weeks field camp in the western states covering photogeological studies, stratigraphic measurements and descriptions, mapping techniques, and additional work with igneous, sedimentary, and metamorphic rocks.

500 Earth Science Problems for Teachers:_____. (1-3) A. Prerequisite: departmental approval. Designed to fit needs of individual students majoring in education (general science) who need special instruction in the earth sciences. May be retaken for a total of 9 hours.

501 Physical Geology for Teachers. (3-4) A. Fundamental composition and structure of the earth, minerals, rocks, landform origins, and modifying agents. Designed for teachers with emphasis on laboratory techniques.

505 Introduction to Rock Mechanics. (3) A. Prerequisite: GLY 207 or departmental approval. Study of geological and engineering aspects of rock as applied to mining and construction. Mechanical properties of rock and in-situ measurements emphasized. 2 Lec/2 Lab.

513 X-ray Diffraction and Spectroscopy. (3) A. Prerequisites: GLY 209, PHY 132 or departmental approval. Principles of X-ray diffraction and fluorescence. Emphasis on mineral identification and elemental analysis. 2 Lec/2 Lab.

522 Igneous and Metamorphic Petrology. (4) I. Formerly GLY 622. Prerequisite: GLY 311. Origins, occurrences, and compositions of igneous and metamorphic rocks. Emphasis on global distributions. 3 Lec/2 Lab.

523 Sedimentary Petrology. (4) I. Formerly GLY 623. Prerequisite: GLY 311. Study of composition, texture, and diagenesis of sedimentary rocks. Emphasis on microscopic examination. 3 Lec/2 Lab.

529 Economic Geology. (3) A. Prerequisites: GLY 310, 410. Formation of mineral deposits and their distribution within the earth's crust. 2 Lec/2 Lab.

530 Geophysics. (3) A. Prerequisites: PHY 131, 132 or departmental approval. Fundamentals of gravity and isostasy, seismology, geomagnetism, geothermics, and geochronology. Introductory gravimetric, magnetic, electrical, and seismic prospecting techniques.

533 Industrial Minerals. (3) A. Prerequisite: GLY 310. Origin, occurrences, and uses of industrial minerals and rocks.

535 Hydrogeology. (3) A. Prerequisites: GLY 310, 410 or departmental approval. Origin, occurrence, movement, utilization, and conservation of groundwater. Qualitative and quantitative presentation of geological, physical, and geochemical aspects of groundwater hydrology. 2 Lec/2 Lab.

550 Historical Geology. (3) A. Formerly GLY 211. Prerequisite: senior standing or departmental approval. Synthesis of major processes and events of physical and biological history of the earth using principles and conclusions learned in major program. 2 Lec/2 Lab.

560 Geochemistry. (4) A. Formerly GLY 660. Prerequisites: GLY 310, CHE 112 or departmental approval. Distribution of elements in earth's crust, geologic phase equilibria, isotopes in geochronology, and major methods of geochemical analysis and exploration. 3 Lec/2 Lab.

580 Selected Topics: _____. (3) A. Prerequisite: departmental approval. Designed to explore specific aspects of geology. May be retaken for a total of 6 hours.

598 Geoscience Instrumentation. (1) A. Prerequisite: departmental approval. Short course in selected topics of geoscience instrumentation. Topic designated each time course is offered. May be retaken for total of 3 hours provided topic is different each time.

GRADUATE COURSES

601 Historical Geology for Teachers. (3-4) A.
605 Advanced Structural Geology. (3) A.
610 Geotectonics. (3) A.
611 Paleoecology of Invertebrates. (3) A.
612 Clay Mineralogy. (4) A.
621 Sedimentology. (3) A.
624 Carbonate Petrology. (3) A.
625 Siliciclastic Petrology. (3) A.
630 Geophysical Exploration. (3) A.
631 Coal Geology. (3) A.
632 Petroleum Geology. (3) A.
634 Mining and Exploration Techniques. (3) A.
640 Micropaleontology. (3) A.
670 Igneous Petrology. (3) A.
671 Metamorphic Petrology. (3) A.
680 Seminar: _____. (1-4) A.
697 Internship. (6) I, II, S.
698 Special Problems in Geology. (1-6) I, II, S.
699 Thesis. (3-6) I, II, S.

DEPARTMENT OF

MATHEMATICAL SCIENCES

LeVan, M., Chair; Blair, Bland, Brashear, Brooks, Givan, Greenwell, Hays, Janeway, Karr, King, B. Lane, J. Lane, J. LeVan, McGlasson, Nayle, Ng, Patterson, Pierce, Pounds, Rink, Schnare, Scorscone, Welch.

The Department of Mathematical Sciences offers the Bachelor of Science degree in computer science, mathematics, and statistics; the Master of Science degree is offered in mathematical sciences. In cooperation with the College of Education, the Department provides an option in mathematics leading to teacher certification with the Bachelor of Science. The Master of Arts in Education degree with an option in mathematics is offered in the College of Education with the cooperation of the Department of Mathematical Sciences.

In addition to its programs for majors and for graduate students, the Department of Mathematical Sciences offers the minor in computer science, computer science (teaching), mathematical sciences, mathematics, mathematics (teaching), and statistics. Other offerings are presented as service courses in computer science, mathematics, and statistics for students majoring in a wide range of other fields of study.

Computer Science

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **36 hours**
CSC 110, 180, 185, 200, 230, 310, 320, 350, 400, 425, plus 6 hours of CSC courses numbered 300 or above (except CSC 305).
Supporting Course Requirements ..... **15 hours**
MAT 121; 122; 214; 223; STA 370 or 520.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on General Education and University requirements.
Free Electives ..... **22 hours**
Total Curriculum Requirements ..... **128 hours**

Mathematics

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **36 hours**
Three hours of programming language, MAT 121, 122, 214, 223, 308, 324, 353, 414, and 9 hours of mathematical sciences courses (CSC, MAT, STA) numbered 300 or above (except CSC 305).
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on General Education and University requirements.
Free Electives ..... **37 hours**
Total Curriculum Requirements ..... **128 hours**

Mathematics (Teaching)

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **33 hours**
Three hours of programming language, MAT 121, 122, 214, 223, 308, 334, 414, and 9 hours of mathematical sciences courses (CSC, MAT, STA) numbered 300 or above (except CSC 305).
Supporting Course Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 450, 498, 499.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on General Education and University requirements.
Free Electives ..... **12 hours**
Total Curriculum Requirements ..... **128 hours**

Statistics

MAJOR, BACHELOR OF SCIENCE

Major Requirements ..... **27 hours**
STA 270, 271, 370, 375, 501, 520, 521, 6 hours of mathematical sciences electives numbered 300 or above.
Supporting Course Requirements ..... **18 hours**
MAT 121, 122, 214, 223, 324, and 3 hours of programming languages.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on General Education and University requirements.
Free Electives ..... **28 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN COMPUTER SCIENCE

A student may minor in computer science by completing a minimum of 18 hours of CSC courses (except CSC 102 and 305) which must include CSC 110, 180, 200, and 310, plus 6 hours of CSC courses of which 3 hours must be at the 200 level or above.

MINOR IN COMPUTER SCIENCE (TEACHING)

A student may minor in Computer Science (teaching) by completing a minimum of 21 hours of courses in the mathematical sciences including CSC 110, 171, 180, 200, 305, and 3 to 6 hours chosen from MAT 211; 261; 262 or both 121 and 122; and 2 to 5 hours of additional courses in computer science (except CSC 102), mathematics (above 200) and statistics or CIS 250, 320.

MINOR IN MATHEMATICAL SCIENCES

A student may minor in mathematical sciences by completing a minimum of 6 hours in each of computer science, mathematics, and statistics for a total of 18 hours as follows:
Computer Science: CSC 110 or 300, any other CSC courses except CSC 102 or 305;
Mathematics: MAT 261 and 262 or MAT 121 and 122; and
Statistics: Two of STA 270, 271, 370, or 501.

MINOR IN MATHEMATICS

A student may minor in mathematics by completing 18 hours in the mathematical sciences. Twelve hours must be in MAT, including MAT 121, 122, and 223. Six hours must be selected from MAT 214 or any mathematical sciences course (CSC, MAT, STA) numbered 300 or above (except CSC 305).

MINOR IN MATHEMATICS (TEACHING)

A student may minor in mathematics (teaching) by completing a total of 21 hours of courses in the mathematical sciences including MAT 121, 122, 223, and 9 hours chosen from MAT 214, CSC 300, STA 370, or any MAT course numbered 300 or above.

MINOR IN APPLIED STATISTICS

A student may minor in applied statistics by completing 18 hours of mathematical sciences including 12 hours of STA courses and 6 hours chosen from any additional STA courses, any CSC courses, or any calculus courses.

GRADUATE PROGRAMS

The Master of Science degree is offered by the Department

of Mathematical Sciences to prepare the student for positions in government or industry, for teaching on the college or pre-college levels, or for advanced graduate study. The student may elect courses from computer science, pure or applied mathematics, and statistics. A thesis is optional. Further information and degree requirements can be found in the Graduate Catalog.

The Master of Arts in Education with an option in mathematics is offered in the College of Education with the cooperation of the Department of Mathematical Sciences. Further information can be found in the Graduate Catalog.

REPEAT POLICY

Students may enroll for a course taught by the Department of Mathematical Sciences only twice during the Fall and Spring Semesters. Subsequent enrollments must be during Spring Intersession or Summer School. Exceptions are only by petition to the department.

Course Descriptions

CSC—Computer Science

102 Computers and the Modern World. (3) I, II. For the general student who wishes to study the influence of electronic computing on society. Brief, non-technical summary of computer history and hardware; introduction to programming; effects of uses and misuses of computers.

110 Introduction to Computer Science. (3) I, II. Corequisite: CSC 180 or prerequisite: CSC 174. A survey of topics in computer science: introduction to algorithms and problem solving on computers, programming methodology and control structures, data representation, computer organization, algorithms of non-numerical problems.

171 Introduction to Computer Programming—BASIC. (1) I, II. Elementary programming in BASIC language (input/output, decision, loops, arrays). Algorithm selection, use of time-sharing system, applications to various fields.

174 Introduction to Computer Programming—FORTRAN. (3) I, II. Introductory programming in FORTRAN (input/output, decision, loops, arrays, subroutines, functions, files).

178 Introduction to _____. (2) A. Programming in selected languages, with appropriate applications. May be retaken for maximum of 4 hours, provided topics are different.

180 Introduction to Computer Programming—PASCAL. (3) I, II. Introduction to problem solving with computers using the structured language PASCAL. Basic concepts include data types, control structures, arrays, pointers, procedures, records, and extended input/output features.

185 Introduction to PL/I. (3) I, II. Prerequisite: COBOL programming or CSC 110 or departmental approval. Basic concepts of PL/I: data types, control structures, arrays, structures, character string operators, procedures, extended input/output, interrupt features, application to searching and sorting.

200 Introduction to Computer Organization. (3) I, II. Prerequisite: CSC 110 or departmental approval. Computer structure, assembly language, instruction execution, addressing, data representation, macro definition and generation, segmentation, linkage, utility programs, programming techniques.

230 Introduction to File Processing. (3) II. Prerequisites: CSC 110, 185. File processing and file structures. Sequential and direct access file handling; searching and sorting techniques.

300 Introduction to Numerical Methods. (3) A. Prerequisites: MAT 122 and knowledge of computer programming. Methods of finding roots to equations, solutions to linear systems of equations, approximation, interpolation, numerical integration and differentiation, solution of simple differential equations.

305 Computers and Society. (3) A. CL: POL 305, SOC 305. No departmental major/minor credit except CSC(T). The influence of computers on social and political processes. Software related to socio-political issues.

310 Data Structures. (3) A. Prerequisite: CSC 200. Linear lists, strings, arrays, orthogonal lists, representation of trees and graphs. Storage systems and structures, tables, and searching techniques. Sorting techniques for linked lists. Formal specification of data structures.

320 Introduction to Discrete Structures. (3) II. Formerly CSC 210. Prerequisites: CSC 110 and MAT 214 or departmental approval. Set algebras, mappings, relations, algebraic structures, elementary graph theory (directed and undirected), Boolean algebra, propositional logic, applications to computer science.

349 Cooperative Study: Computer Science. (1-8) I, II, S. Prerequisite: departmental approval. Work in placements related to academic studies. Does not apply to major or minor requirements. One to eight hours credit per semester or summer. Total hours: 8 associate; 16, baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit.

350 Programming Languages. (3) A. Corequisite: CSC 310. Formal definition of programming languages including specifications of syntax and semantics. Global properties of algorithmic languages. List processing, string manipulation, data description and simulation languages. Run-time representation of programs.

370 Computer Architecture. (3) A. Prerequisite: CSC 200. Information representation, Boolean algebra and combinatorial logic, memory and storage, elementary machines, addressing schemes, stack and parallel computers, overlap and pipeline processing, microprogramming, performance evaluation.

400 Operating Systems. (3) A. Prerequisite: CSC 310. Overall structure of multiprogramming systems; details of addressing techniques, core-management, file system design and management; traffic control, interprocess communication, system module design, interfaces.

425 Compiler Construction. (3) A. Prerequisites: CSC 310, 350. Compilation of simple expressions and statements. Compiler organization, compile and run-time symbol tables, lexical scan, object code generation, error diagnostics, object code optimization techniques, overall design.

440 Introduction to Software Engineering. (3) A. Prerequisite: CSC 310. Introduction to the practical applications of scientific knowledge in the design and construction of computer systems with the associated documentation required to develop, operate, and maintain these systems.

450 Graphics Programming. (3) A. Prerequisites: MAT 214, 223, CSC 310. Programming for storage, modification, and display of graphics data structures and data bases. Representation and transformation of geometric entities. Graphics programming languages.

460 Computer Network Architecture. (3) A. Prerequisites: CSC 310, 400. Introduction to the subject of computer networks and layered protocols, architecture of data communication systems, point-to-point networks, local networks, end-to-end protocols and internetworking.

490 Seminar in _____. (3) A. Prerequisite: departmental approval. For advanced students in computer science. Subject announced at each offering. With chair's approval, may be retaken to 12 hours maximum, provided topics are different.

495 Independent Work. (3) I, II. Prerequisite: departmental approval. Directed study/research on a problem of area chosen in consultation with instructor. Final paper required. May be retaken to 6 hours maximum.

530 Concepts of Programming Systems. (3) A. Prerequisite: programming ability. Closed to computer science majors/minors. Structured programming, data representation, simple machines, data structures, assemblers, linkers and loaders, high level languages, trends in hardware/software.

GRADUATE COURSES

631 The Design and Analysis of Computer Algorithms. (3) A.
633 Data Structure Techniques. (3) A.
635 Architecture of Operating Systems. (3) A.

MAT—Mathematics

090 Basic Mathematics. (3) Institutional Credit. I, II. A course designed to teach students developmental mathematics including computational proficiency in the integers and rational numbers in both fractional and decimal forms. May be taken by referral only.

100 College Mathematics: A Computational Approach. (3) I, II. Computation as a means of understanding introductory topics: set operations, arithmetic in bases, modular arithmetic, operations, matrices and applications, Cramer's rule, geometry.

105 Introductory Algebra. (3) I, II. No credit with two years high school algebra or equivalent. An introduction to algebra at the college level, for students with less than two years of high school algebra. Polynomials, algebraic fractions, graphs, equations, systems of linear equations, verbal problems.

107 College Algebra. (3) I, II. Prerequisite: 2 years high school algebra or MAT 105. Integers, rational/real/complex numbers, algebraic expressions, equations and inequalities, polynomial equa-

tions, functions and graphs, systems of equations. No credit for both MAT 107 and MAT 109.

108 Trigonometry. (3) I, II. Corequisite: MAT 107. Radians and degrees, properties of trigonometric functions, multiple angle expressions, triangle solutions, inverse functions, complex numbers. No credit for both MAT 108 and MAT 109.

109 Algebra and Trigonometry. (5) I, II. Real numbers, functions and graphs, trigonometric functions, polynomial equations, inequalities, inverse trigonometric functions, complex numbers. Credit for MAT 107 or MAT 108 will be lost.

121 Calculus and Analytic Geometry I. (3) I, II. Prerequisite: MAT 109 or equivalent. No credit with MAT 124. Analytic geometry, limits, continuity, derivatives and applications, introduction to integration.

122 Calculus and Analytic Geometry II. (3) I, II. Prerequisite: MAT 121. No credit with MAT 224. Antiderivatives, integration applications and techniques, conic sections, transcendental functions.

124 Differential and Integral Calculus. (4) I, II. Prerequisite: MAT 109 or equivalent. Limits and continuity, the derivative and applications, antiderivatives, the definite integral and applications, conic sections.

165 Mathematics for Health Sciences. (3) I, II. Open only to students in the health sciences. Arithmetic of real numbers, percent, ratio-proportion, equations, measurements in the metric, apothecaries; and household systems, dosages, solutions, graphs. Applications to the health sciences emphasized throughout.

201 Understanding Arithmetic. (3) I, II. Open only to students seeking elementary certification. Concepts stressed over manipulation. Sets and functions, whole numbers, integers, numeration, elementary number theory.

202 Understanding Elementary Mathematics. (3) I, II. Prerequisite: MAT 201. Continuation of MAT 201: rational numbers, decimals and real numbers, geometry, measurement, metric system.

211 Linear Algebra and Calculus with Business Applications. (3) A. Prerequisite: MAT 107 or equivalent. Arithmetic of matrices, Gauss-Jordan reductions, systems of linear equations, derivatives, marginal cost, revenue and profit, applied optimization problems.

214 Linear Algebra and Matrices. (3) I, II. Prerequisite: MAT 121 or 261. Real and complex vector spaces, linear transformations, matrix theory with applications through introduction of eigenvalues and eigenvectors, determinants, inner product spaces.

223 Calculus and Analytic Geometry III. (3) I, II. Prerequisite: MAT 122. No credit with MAT 224. Indeterminate forms, improper integrals, vectors and solid analytic geometry, infinite series.

224 Topics in Calculus. (5) I, II. Prerequisite: MAT 124 or equivalent. Transcendental functions, integration techniques, indeterminate forms, improper integrals, infinite series, vectors, and solid analytic geometry.

261 Fundamentals of Calculus with Applications I. (3) A. Formerly: MAT 208. No credit with MAT 121, 124, or 211. Prerequisite: MAT 107 or equivalent. Introduction to calculus with applications in the sciences.

262 Fundamentals of Calculus with Applications II. (3) A. Prerequisite: MAT 261 or 211. Integral calculus with applications; introduction to differential equations; functions of several variables.

308 Introduction to Modern Algebra I. (3) A. Prerequisite: MAT 214. Sets, mappings, relations, operations, rings, homomorphisms, integral domains, properties of integers, fields, rational and real number fields, complex number field.

309 Introduction to Modern Algebra II. (3) A. Prerequisite: MAT 308. Polynomial rings, groups, vector spaces, systems of linear equations, determinants, linear transformations and matrices.

324 Multivariable Calculus. (3) I, II. Prerequisite: MAT 223 or 224. Functions of more than one variable, partial differentiation, multiple integration, topics in vector calculus.

334 Modern College Geometry I. (3) A. Prerequisites: MAT 121 or 261 and high school geometry. Euclid's parallel postulate, axiom systems, finite geometries; especially designed to provide high school mathematics teachers with an appropriate reformulating and strengthening of background, ideas, and rigor.

349 Cooperative Study: Mathematics. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. Does not apply to major or minor requirements. One to 8 hours credit per semester or summer. Total hours: 8 associate; 16, baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit.

353 Differential Equations. (3) II. Prerequisite: MAT 122 or 224. Differential equations of first order, applications, singular solutions, linear equations with constant coefficients, miscellaneous methods for equations of higher order, integration in series, total differential equations.

414 Introduction to Analysis. (3) I. Prerequisite: MAT 223 or 224. Real number system, sets and functions, limits, continuity, uniform continuity, Taylor's theorem, laws of the mean, the Riemann integral, allied topics.

480 Seminar in _____. (1-3) A. Prerequisite: departmental approval. Advanced topics in undergraduate mathematics. Offered as needed. May be retaken for a total of 9 hours, provided the topics are different at each taking.

495 Independent Work. (3) I, II. Prerequisite: departmental approval. Directed study/research on a problem or area chosen in consultation with instructor. Final paper required. May be retaken for 6 hours maximum.

503 Number Theory in Elementary Education. (3) A. Prerequisite: departmental approval. No credit with MAT 506. Not applicable to M.S. in mathematical sciences or M.A. in Ed. with an option in mathematics. Application of standard number theory topics to elementary school mathematics.

504 Concepts in Geometry for Elementary Education. (3) A. Prerequisites: graduate standing and admission to a certification program in elementary or special education. Standard topics in geometry with emphasis on their applications in elementary school mathematics.

505 Foundations of Mathematics. (3) A. Prerequisite: MAT 308. Nature of mathematical thought; logical systems; axiomatic concepts and methods; consideration of the work of Hilbert, Peano, Whitehead, Russell, and others.

506 Number Theory. (3) A. Prerequisite: MAT 308. Fundamental properties of integers, linear Diophantine equations, linear and quadratic congruences, famous problems of number theory.

514 Analysis for the Secondary Teacher. (3) A. Not applicable to M.S. in mathematical sciences. Basic concepts in analysis with applications to secondary mathematics. Real numbers, set theory, sequences, and series, continuity, differentiation/integration.

515 Real Analysis. (3) A. Prerequisite: MAT 414. Further study of the concepts introduced in MAT 414; the convergence theorems, Lebesgue measure and measurable functions, the Lebesgue integral, Fourier series, allied topics.

535 Modern College Geometry II. (3) A. Prerequisite: MAT 334 or equivalent. The major influence of the axioms of parallelism on geometry, development from axioms and models, Euclidean geometry, absolute geometry, hyperbolic geometry, consistency of postulates.

540 Introductory Applied Mathematics. (3) A. Prerequisite: MAT 353. Techniques and applications of: vector analysis, matrix theory, linear and autonomous systems of differential equations, special functions, operational methods, Sturm-Liouville theory, Fourier series.

550 Complex Analysis. (3) A. Prerequisite: MAT 414 or departmental approval. Analytic functions and the Cauchy-Riemann equations. Linear fractional transformations and mappings of the elementary functions. Complex integration. Power series, residues and conformal mappings.

555 Graph Theory. (3) A. Prerequisite: MAT 308 or CSC 320. Introduction to the theory and applications of graph theory. Topics will include trees, planarity, connectivity, flows, matching and coloring.

571 Numerical Analysis. (3) A. Formerly CSC 571. Prerequisite: CSC 300 or equivalent. Computer arithmetic; error analysis; Lagrange, Hermite, spline interpolation; Gaussian, Newton-Cotes, Romberg integration; predictor-corrector, Runge-Kutta solution of differential equations.

GRADUATE COURSES

600 Linear Algebra. (3) A.
609 Modern Algebra. (3) A.
656 Advanced Applied Mathematics. (3) A.
670 Seminar in Secondary Mathematics: _____. (3) A.
672 Advanced Numerical Analysis. (3) A.
680 Seminar in: _____. (3) A.
690 Independent Study in _____. (3) A.
699 Thesis in _____. (1 to 6) A.

STA-Statistics

208 Descriptive Statistics. (1) I, II. No credit with STA 270. Measures of central tendency and dispersion, introduction to correlation and regression.

209 Elementary Probability. (1) I, II. No credit with STA 270. An

introduction to elementary concepts of probability.

210 Elementary Inference. (2) I, II. Prerequisite: STA 209. No credit with STA 270. One- and two-sample estimation and hypothesis testing. A field project is required.

270 Applied Statistics I. (3) A. Prerequisite: MAT 107. Measures of central tendency/dispersion, frequency distributions, probability, sampling distributions, point/interval estimates, hypothesis testing, data analysis, linear correlation/regression, chi-square tests. Computer used when feasible.

271 Applied Statistics II. (3) A. Prerequisite: STA 270 or 210. Inference, emphasizing both enumerative and quantitative data, sampling/survey techniques, quality control, non-parametric methods, elementary experimental design, computerized statistical packages.

349 Cooperative Study: Statistics. (1-8) I, II, S. Prerequisite: departmental approval. Work in placements related to academic studies. Does not apply to major or minor requirements. One to 8 hours credit per semester or summer. Total hours: 8 associate; 16 baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit.

370 Applied Probability. (3) A. Prerequisite: STA 271 or any calculus course. Intuitive and axiomatic development of probability, discrete models and distributions, law of large numbers, central limit theorem, applications.

375 Sampling Theory. (3) A. Prerequisite: STA 370. Basic concepts of the theory underlying sampling schemes, including applications to surveys and questionnaires.

490 Seminar In ____. (3) A. Prerequisite: departmental approval. Topic announced at time of offering. May be retaken for 12 hour maximum, provided topics are all different.

495 Independent Work. (3) I, II. Prerequisite: departmental approval. Directed study/research on a problem or area chosen in consultation with instructor. Final paper required. May be retaken for 6 hours maximum.

501 Nonparametric Statistics. (3) A. Formerly: STA 371. Prerequisite: six hours statistics or three hours and departmental approval. Simple, efficient nonparametric methods, without normality assumptions, widely applicable on data with nominal/ordinal measurement scales. Probability, inference, contingency tables, binomial/rank/Kolmosgorov-Smirnov based tests.

520 Mathematical Statistics I. (3) A. Formerly: STA 470. Prerequisite: MAT 324. Probability theory, random variables, discrete and continuous probability distributions for one and two variables, sampling theory for functions of a single variable, estimation theory, tests of hypotheses.

521 Mathematical Statistics II. (3) A. Formerly: STA 471. Prerequisite: STA 520. A continuation of STA 520. Linear regression/correlation, multiple linear regression, analysis of variance, allied topics.

575 Statistical Methods. (3) A. Prerequisite: STA 501 or a course in statistical inference. Statistical methods focusing on the use of computer packages and interpretation of data. Assumptions of parametric/nonparametric tests, utilization of SPSS and/or SAS.

DEPARTMENT OF

NATURAL SCIENCE

MacLaren, B., Chair; Abraham, Dixon, Harding, Maki, Wernegreen.

The Department of Natural Science is an interdisciplinary department offering science courses specifically designed as a way for non-science students to meet the General Education science requirements (Area IV). Some courses will satisfy the biological and physical science laboratory component. Other non-laboratory courses are taught with a more evident interdisciplinary approach and are an appropriate way to complete Area IV requirements. NAT 101 and 171 are occasionally taught as self-paced courses.

The principal aims of the Natural Science courses are to enable the student to 1) understand the nature of science; 2) indicate the complex relations between scientific and technological change; 3) investigate the strengths and weaknesses of science in dealing with value laden questions; 4) communicate the similarities and dissimilarities between science and other human attempts to seek order (i.e., social science and humanities); 5) recognize the necessity for an interdisciplinary approach to the solution of world problems; 6) describe man's dependency upon the living and non-living environment; and 7) appreciate that our actions invariably involve consequences that may well minimize the supposed benefits.

Course Descriptions

NAT—Natural Science

100 Interpreting Nature. (1) A. Formerly GSC 100. An introduction to natural history is given by observing the living and non-living components of the environment. Topics include terrestrial and aquatic ecosystems, weather and climate, landforms, fossils, and stars.

101 Environment, Life and Man. (3) I, II. Formerly GSC 101. This biological science course emphasizes man's relationship with the natural world by studying concepts in ecology, inheritance, evolution, and the functioning of living systems. 2 Lec/2 Lab.

171 The Physical Universe. (3) I, II. Formerly GSC 171. An interdisciplinary course on natural philosophy, emphasizing science as a creative activity. It traces the evolution of our conceptions of science, the universe, matter, and energy. 2 Lec/2 Lab.

172 The Physical Environment. (3) I, II. Formerly GSC 172. This course explores aspects of the earth sciences (meterology, oceanography, geology and chemistry), emphasizing common concepts. Everyday experiences are used to illustrate physical principles. 2 Lec/2 Lab.

173 The Physical Environment (3) I, II. Formerly GSC 173. This course is identical to NAT 172 except that a discussion/lecture session replaces the laboratory. Credit will not be granted for both NAT 172 and NAT 173.

262 Ecology and Human Affairs. (3) I, II. Formerly GSC 262. A biological science course that develops the basic principles of ecology, and uses them as a basis for consideration of agriculture, land use, endangered species, and other environmental stresses.

263 Ecology and Human Affairs. (3) I, II. Formerly GSC 263. This course is identical to NAT 262 except that a discussion/lecture session replaces the laboratory. Credit will not be granted for both NAT 262 and NAT 263.

280 Science and Society. (3) I, II. Formerly GSC 280. By investigating incidences in which scientific knowledge interacts with society, this course attempts to understand the involvement of science with religion, government, technology, human population, energy, the environment, and the future.

300 Science as a Human Endeavor. (3) I, II. Formerly GSC 300. Using examples from biological and physical science this course investigates the scientific community, its structure, methods, and philosophy. Emphasis is on scientific revolutions that have affected perceptions of space, time, and cause.

DEPARTMENT OF

PHYSICS AND ASTRONOMY

George, T. Chair; Faughn, Kuhn, Laird, Mahr, Sousa, Teague.

The major functions of the Department of Physics and Astronomy are: to prepare the student for work in industry; to do graduate work in physics, engineering and in various interdisciplinary fields where a basic knowledge of science is mandatory; to teach physics, astronomy, and science in the public schools; and to increase the layman's awareness of modern astronomy.

Physics

MAJOR, BACHELOR OF SCIENCE

Major Requirements . . . . . 34 hours
PHY 201, 202, 300, 301, 307, and either 306 or 308, plus other upper division courses in physics to total 34 hours. At the

discretion of the chair, PHY 131 may be substituted for PHY 201.

Supporting Course Requirements ..... **24 hours**
CHE 111, 112; MAT 124,* 224, 324, 353.

General Education Requirements..... **46 hours**
Standard General Education program excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **24 hours**

Total Curriculum Requirements ..... **128 hours**

*MAT 109 may be required before admission to MAT 124.

Physics

MAJOR, OPTION IN APPLIED PHYSICS, BACHELOR OF SCIENCE

Major Requirements..... **34 hours**
PHY 201, 202, 221, 300, 301, 307, 315, 503, 558, and either 306 or 308.

Supporting Course Requirements ..... **30 hours**
CHE 111; 112; CSC 174; 300; IET 190 or 191; MAT 124*; 224; 353.

General Education Requirements..... **46 hours**
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **18 hours**

Total Curriculum Requirements ..... **128 hours**

* MAT 109 May be required before admission to MAT 124.

Physics (Teaching)

MAJOR, BACHELOR OF SCIENCE

Major Requirements..... **30 hours**
PHY 201, 202, 300, 301, 307, and either 306 or 308, plus other upper division courses in physics to total 20 hours upper division. A teaching minor is required.

Supporting Course Requirements ..... **49 hours**
CHE 111, 112, MAT 124*, 224, 324, EDF 102, 202, 317, EPY 318, ESE 451, 498, 499.

General Education Requirements..... **46 hours**
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **3 hours**

Total Curriculum Requirements ..... **128 hours**

* MAT 109 may be required before admission to MAT 124.

MINOR IN PHYSICS

A student with a major in another field may complete a minor in physics by taking PHY 201, 202, and a minimum of 8 additional hours of physics numbered 300 and above for a total of 18 hours. PHY 131 may be substituted for PHY 201, and PHY 132 may be substituted for PHY 202. In addition, 9 hours of chemistry are recommended.

To revise the above program for teacher certification in physics, 3 additional hours numbered 300 or above must be added to make a total of 21 hours in physics and additional education courses.

GRADUATE PROGRAMS

The Department of Physics and Astronomy offers advanced degree programs. The Master of Science is designed primarily to prepare students for careers in industry, community college teaching, and/or further graduate study in physics. The Master of Arts in Education degree with an option in physics is offered in the College of Education with the cooperation of the Department of Physics and Astronomy.

The Master of Arts in Education degree with an option in general science is offered in the College of Education with the cooperation of the Department of Physics and Astronomy and the other natural science departments. The regulations for these degrees can be found in the College of Education section of the Graduate Catalog.

Course Descriptions

PHY—Physics

101 Physical Science (Physics). (3) I, II. Designed primarily for the non-science student. Topics on energy, sound, light, electricity, magnetism, and nuclear phenomena. 2 Lec/2 Lab.

105 The Science of Music. (3) A. Designed primarily for the non-science student. Topics to be discussed include traveling and standing waves, air columns, string and wind instruments, pure tones and overtones, hearing range, psychology of sound, white sound.

110 Energy for a Technological Society. (3) A. Designed primarily for the non-science student. Analyses are made of advantages and disadvantages of solar, fossil fuels, wind, nuclear energy, etc. Designed to help students make up their own minds about energy use.

131 Elementary Physics. (5) I, II. Prerequisite: One unit each of high school algebra and plane geometry. Fundamental ideas of mechanics, heat and sound. 4 Lec/2 Lab.

132 Elementary Physics. (5) I, II. Prerequisite: PHY 131. Fundamental ideas of electricity; magnetism and optics. 4 Lec/2 Lab.

201 Mechanics, Heat and Sound. (5) I, II. Corequisite: MAT 124. Composition and resolution of forces, laws of equilibrium, Newton's laws of motion, work and energy, momentum, simple harmonic motion, hydrodynamics, heat phenomena, sound and wave motion.4 Lec/3 Lab.

202 Electricity, Magnetism and Optics. (5) I, II. Prerequisites: PHY 201; MAT 124. Electrostatics, nature of electricity, magnetism, Ohm's law, measurement of electrical quantities, sources of electrical energy, Lenz's law, inductance and capacitance, alternating currents, electromagnetic waves, optics. 4 Lec/3 Lab.

221 Statics. (3) A. Prerequisite: PHY 201. Corequisite: MAT 224. Study of force systems on bodies at rest; descriptions of force systems; distributed and internal forces; applications of hydrostatics, frames and trusses, beams. Credit toward a physics major subject to departmental approval.

300 Modern Physics I.(3) I. Prerequisites: PHY 132 or 202; MAT 109. Physics of the 20th century. Topics include special relativity, quantum effects, wave theory, Bohr theory, structure of the hydrogen atom.

301 Modern Physics II. (3) II. Prerequisite: PHY 300. A continuation of PHY 300. Topics include atomic and molecular structure, nuclear structure, nuclear reactions, elementary particles.

306 Classical Physics Laboratory. (2) I. Prerequisite: PHY 132 or 202. Laboratory experiments will be done in the classical fields of physics such as mechanics, optics, electricity, and magnetism. 4 Lab.

307 Electronics. (4) A. Prerequisite: PHY 202 or 132. Theory of solid state devices, power supplies, transducers, operational amplifiers, solid state switches, flip-flops, counters, digital devices, logical families. 3 Lec/3 Lab.

308 Atomic and Nuclear Laboratory. (2) II. Corequisite: PHY 301. Performance of various experiments in nuclear physics, such as radiation instruments, range and energy of particles, absorption, halflife, neutron moderators and neutron flux measurements, coincidence techniques. 4 Lab.

315 Introductory Electrical Circuits. (3) A. Formerly PHY 516. Prerequisite: PHY 202. Corequisite: MAT 224. DC and AC circuit analysis, network responses. Transient and steady state solutions for networks. Complex vector solutions. Transformed networks.

349 Cooperative Study: Physics. (1-8) A. Work in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 8 associate, 16 baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit. The department reserves the right to limit the number of hours applied to a physics major.

502 Physical Optics. (3) A. Prerequisite: PHY 202. Corequisite:

PHY—Physics

MAT 224. Wave motion, interference, Fraunhofer and Fresnel diffraction, electromagnetic radiation, dispersion, polarization, double refraction, lasers, holography.

503 Thermodynamics. (3) A. Prerequisite: PHY 202. Corequisite: MAT 224. Study of temperature, thermodynamic systems, ideal gases. First and second law of thermodynamics, Carnot cycle, Kelvin temperature scale, entropy.

506 Physics for High School Teachers. (3) A. Prerequisites: 1 year of college physics and instructor approval. Topics from general and modern physics to prepare teachers to teach high school physics and give classroom demonstrations. 2 Lec/3 Lab.

510 Special Problems in Physics: _____. (1-6). A. Prerequisites: PHY 202 and instructor approval. Special laboratory experiments, development of new equipment, or solution of special mathematical problems related to physics. May be retaken for a maximum of 6 hours.

520 Electricity and Magnetism. (4) A. Formerly PHY 517. Prerequisite: PHY 202; MAT 324. Electrostatics in vacuum and dielectrics, solutions by Laplace's and Poisson's equations, magnetic fields, induced EMF's, magnetic materials, and Maxwell's equations.

558 Classical Mechanics I. (3) A. Prerequisite: PHY 202. Corequisite: MAT 353. Applications of calculus to the principles of classical mechanics. Topics include vectors, rectilinear motion in one dimension, motion in three dimensions, non-inertial reference systems, central forces and celestial mechanics.

559 Classical Mechanics II. (3) A. Prerequisite: PHY 558. Continuation of PHY 558. Topics include many-bodied systems, rigid bodies, Lagrangian and Hamiltonian mechanics, coupled harmonic oscillators, wave motion.

570 Quantum Mechanics. (3) A. Prerequisite: PHY 558. Basic principles of wave mechanics, solutions of Schrodinger wave equation for simple systems. Interpretation of solutions and application to atomic and molecular problems.

GRADUATE COURSES

600 Physics for Elementary School Teachers. (1-6) A.
601 Advanced Mathematical Physics. (3) A.
606 Selected Topics in Physics for Teachers. (3) A.
608 Problems in Teaching of Secondary Physical Science. (1-6) A.
609 Inquiry Physics for Teachers. (3) A.
610 Physics for Teachers of Physical Science. (3) A.
611 Demonstration and Experiments for Physical Science Teaching. (3) A.
615 Advanced Nuclear Physics.(3) A.
620 Semiconductor Physics. (3) A.
625 Electromagnetic Waves.(3) A.
640 Electronics II. (4) A.
660 Advanced Classical Mechanics. (3) A.
662 Statistical Mechanics.(3) A.
671 Intermediate Quantum Mechanics. (3) A.
680 Special Topics in Physics.(1-3) A.
681 Selected Topics. (1-3) A.
690 Thesis Research.(1-6) A.

AST—Astronomy

130 Introductory Astronomy. (3) A. Elementary survey course; study of moon, sun, and eclipses; solar system; galaxy; sun's motion in and around the galaxy and far stars. Non-laboratory. Credit will not be allowed for both AST 130 and AST 135.

135 Introductory Astronomy. (3) A. Formerly AST 131. This course is the same as AST 130 except that a laboratory is offered in place of certain topics. Credit will not be allowed for both AST 130 and AST 135. 2 Lec/2 Lab.

330 Theories of Modern Astronomy. (3) A. Investigations into modern controversies concerning origins of earth, sun, planets, galaxies, and universe. Considerations also of theories concerning the nature of pulsars, quasars, and black holes. Non-laboratory.

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

RUSSELL F. ENZIE, Dean
KENNETH R. NELSON, Associate Dean

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The social and behavioral sciences are concerned with mankind's social, political, economic and psychological development. Their focus is on the various peoples of the world and their histories, cultures, physical environments, and problems. The knowledge provided by the social and behavioral sciences, along with that provided by the humanities and natural sciences, comprises an essential part of the education of an individual. A broad, liberal education allows one to be more comfortable in any cultural setting, more aware of one's potential and opportunities, and more capable of choosing values and goals in life.

Students enrolled in one of the college's programs receive a general education which broadens their knowledge and gives them a perspective which extends across individual academic disciplines. The College also offers students the opportunity to study a particular discipline in depth. The combination of general and specialized education provides a valuable background for careers in many areas such as business, industry, government service, and education, as well as further study in graduate and professional schools.

In its role of providing for a general education, the objectives of the college are to help students:

—Develop the ability to analyze information critically, to improve their ability to read and listen with comprehension, and to express themselves clearly in speech and writing.

—Acquire an understanding of the potential of mankind's past and present achievements; and develop the competence and confidence to deal with the challenges of the future.

—Understand themselves and their society so that they can intelligently shape, as well as adapt to, conditions in our progressively industrializing interdependent world.

—Understand their role in society and develop a sense of ethical value and individual responsibility.

In its role of providing specialized education the objectives of the College are to:

—Provide students with an opportunity for study in depth in one of the major disciplines within the College.

—Assist students in choosing, and preparing for, socially useful and personally satisfying vocations that will permit them to use their particular interests and abilities.

—Help students realize the importance of continuing their education after completing a formal degree program.

The College consists of six academic departments: Geography and Planning, History, Political Science, Psychology, Social Science, and Anthropology, Sociology and Social Work.

The College of Social and Behavioral Sciences offers instruction for professional and pre-professional fields and cooperates with the other colleges in providing upper level courses and programs. It further cooperates with the Graduate School in offering graduate courses and programs.

DEGREES OFFERED

The following degrees are offered: Associate of Arts, Bachelor of Arts, Bachelor of Science, and Bachelor of Social Work. The Bachelor of Individualized Studies degree is also offered in cooperation with the College of Arts and Humanities and the College of Natural and Mathematical Sciences. For a description of the Bachelor of Individualized Studies program, see the College of Arts and Humanities section of this Catalog.

The Associate of Arts is conferred upon students who major in paralegal studies. The Bachelor of Arts is conferred upon students who major in anthropology, economics, geography, history, paralegal science, planning and development, political science, sociology, and transportation systems. The Bachelor of Science is conferred upon students who major in psychology. The Bachelor of Social Work is conferred upon students who major in social work.

DEGREE REQUIREMENTS

1. Specific requirements for each degree program are found in the appropriate departmental sections in this Catalog. A minimum of 128 hours with a grade-point average of 2.0 overall *and in all courses taken in the major field* is required of all students. Thirty of the last 36 hours must be earned at Eastern Kentucky University.

2. The minimum requirement of 128 hours must include 55 hours of courses approved for General Education, unless waivers have been granted to specific programs. Refer to Part Three of this Catalog for details on General Education and University requirements.

3. Students majoring in social work and in the paralegal programs must attain a minimum grade of "C" in all courses specified for the major and in supporting courses.

4. Major and minor requirements. Each student must select a major, which consists of a minimum of 30 hours in a specific field of study. Students may have, but are not re-

quired to have, a minor *unless a teaching minor is required.* The minimum number of hours for a minor is 18; the minimum number of hours for a teaching minor is 21.

Students desiring teaching certification in a social or behavioral science are required to have a teaching minor (21 hours), except in history. Students obtaining a teaching certification in history may take related courses in lieu of a teaching minor.

5. Students who transfer from another college or university must earn a minimum of six to 12 hours in their major at Eastern, the exact minimum to be determined by the student's advisor and the Dean of the College. Where a minor is required, students must earn a minimum of one course in the minor at Eastern.

APPLICATION FOR PLANNED CURRICULUM

Students are responsible for planning their programs and registering for the proper courses so that they will have satisfied all requirements at the time they expect to graduate. After completing 60 semester hours of course work, it is the student's responsibility to apply for a planned curriculum. Application is made to the Dean of the College.

The planned curriculum is prepared in consultation with a faculty advisor from the department of the student's major. Any change in the planned curriculum must be approved by the advisor, the Dean of the College, and if with right of teaching certification, the Dean of the College of Education.

APPLICATION FOR GRADUATION

Students are required to file an application for graduation in the Dean's office. Applications should be filed by the end of April in order to graduate in December, or by the end of October in order to graduate in May or August.

GRADUATE PROGRAMS

In cooperation with the Graduate School, the College offers the Master of Arts, Master of Science, and Master of Public Administration degrees. The Master of Arts is offered in geography, history, political science, psychology, and sociology. The Master of Science is offered in psychology (clinical and school). The Master of Public Administration degree is offered in the Department of Political Science.

The College of Education offers the Master of Arts in Education with options in geography, history, political science, psychology, and sociology. The departments in the College of Social and Behavioral Sciences cooperate in presenting these programs which are described in the Graduate Catalog.

COURSE NUMBERING

Courses numbered in the 500 series are open to seniors and graduate students who meet course and program prerequisites. *Additional appropriate experiences are required of all graduate students enrolled the same course with undergraduates.* Courses numbered in the 600 series are open only to graduate students.

SOCIAL AND BEHAVIORAL SCIENCES COURSES

CSO—Orientation

100 Academic Orientation. (1) I. An introduction to the programs of the University and the College. Discussion of how to study, what to consider in choosing a profession, and what career opportunities exist for graduates from the College's programs. Additional topics include University regulations, publications, and support areas. Not open to students with more than 30 semester hours.

CSB—Interdisciplinary

315 Topics in Social Science General Education: (3) A. An experimental General Education course. Content will vary with each offering. May be retaken for maximum of 6 hours provided subject matter differs each time.

499 Independent Work. (3-6) I, II. Independent research and/or field work required for the program of Bachelor of Individualized Studies. Prerequisite: GPA of 2.50 up to last semester of program in Bachelor of Individualized Studies degree. May be retaken for a total of 6 hours credit provided a different subject is studied each time.

500 Interdisciplinary Seminar: (3) A. In-depth consideration of problems which involve several disciplines. A different problem will be considered each time course is offered. Representatives of various disciplines will participate in instruction. May be retaken for a total of 6 hours, provided subject matter differs each time.

Economics

MAJOR, BACHELOR OF ARTS

In cooperation with the Department of Economics, the College of Social and Behavioral Sciences offers the Bachelor of Arts in Economics. Course offerings are listed in the Department of Economics, under the College of Business section of this Catalog. The degree requirements for the B.A. in Economics are listed below.

Major Requirements ..... 30 hours
ECO 230, 231, 324, 350, 351, and 530, plus 12 additional hours of upper division courses in Economics.
Supporting Course Requirements ..... 18-36 hours
These requirements will be determined by consultation between the Chair of the Department of Economics and the Dean of the College of Social and Behavioral Sciences.
General Education Requirements..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements
Free Electives ..... 7 to 25 hours
Total Curriculum Requirements ..... 128 hours

Economics (Teaching)

MAJOR, BACHELOR OF ARTS

In cooperation with the Department of Economics, the College of Social and Behavioral Sciences offers the Bachelor of Arts in Economics (Teaching). This major must be taken in conjunction with an approved major or minor.

The supporting major or minor must be approved by the Dean of the College of Social and Behavioral Sciences and the Chair of the Department of Economics and the Department of Curriculum and Instruction.

Major Requirements ..... 30 hours
ECO 230, 231, 324, 350, 351, 530, plus 12 additional hours of upper division courses in Economics.
Supporting Course Requirements ..... 49-58 hours
A major or minor approved by the Dean of the College of Social and Behavioral Sciences and the Chair of the Department of Economics, plus EDF 102, 202, 317, EPY 318, ESE 449, 498, 499.
General Education Requirements..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements..... 134-143 hours

DEPARTMENT OF

ANTHROPOLOGY, SOCIOLOGY, AND SOCIAL WORK

Wisenbaker, V., Chair; Agger, Banks, Burnham, Curra, Denton, Friedman, Futrell, Goldstein, Luhman, Mohanty, Savage, Tamkoc, Walker, Welch, Winther.

This department offers degrees in anthropology, sociology, and social work. Anthropology is the study of mankind from a broad viewpoint, examining human biological and

cultural diversity through time and space. Anthropology emphasizes the interaction of human biology, culture, and the environment. The curriculum helps students to understand persons of different cultural and ethnic heritages, and themselves, in relation to both biological and cultural evolution. This perspective helps to prepare persons for careers in teaching, industry, government, law, developmental agencies, public relations, social science research, journalism, administration, and social work. Anthropological studies provide training applicable for employment in public health, state salvage archeology, park service, and museum curatorship. Students with undergraduate degrees in anthropology are also prepared for graduate training in anthropology.

The program in Sociology is designed for persons desiring to learn about social relationships and societal processes. In their studies, students examine the dynamics of social change, social organization, deviance and crime, the emergence of personality, and other topics. Students also acquire skills in data analysis and social research.

Persons with sociology majors find employment and academic opportunities in teaching, social welfare, personnel and industrial placement, criminal justice agencies, research in public agencies, and work in community organizations such as city planning departments, health and recreational facilities, and housing programs. Many sociology majors continue their studies with graduate programs in sociology, demography, criminal justice, or related areas.

Social Work is the professional application of social work values, principles and techniques to one or more of the following ends: helping people obtain tangible services; helping individuals, families and groups to improve their social functioning; helping communities or groups provide or improve social and health services; and participating in relevant legislative processes. The practice of social work requires knowledge of human development and behavior; of social, economic and cultural institutions; and of the interaction of all of these factors. The major in social work has two primary goals:

1. To assist the student in developing the necessary skills, attitudes, and knowledge base for beginning generalist social work practice in a variety of public and private agencies;
2. To provide a knowledge, value and skill base with which the student may further develop his professional growth through graduate work, continuing education courses, and other professional development programs.

Anthropology

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **33 hours**
ANT 120; 201; 210 or 211; 330 or 435; 15 hours of upper division anthropology to include at least 6 hours of the following: ANT 345, 375 and/or 440; plus 6 hours to be selected in consultation with the advisor.
Supporting Course Requirements ..... **0 hours**
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **40 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN ANTHROPOLOGY

A student may minor in anthropology by taking a minimum of 18 hours as follows: ANT 120, 201, 210 or 211, and 9 hours of upper division anthropology electives.

Sociology

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **30 hours**
SOC 131, 232, 320, 395, 460, 470 or 520, 561. The remaining 9 hours are to be elected from upper division courses in sociology.
Supporting Course Requirements ..... **0 hours**
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **43 hours**
Total Curriculum Requirements ..... **128 hours**

Sociology (Teaching)

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **30 hours**
SOC 131; 232; 320; 395; 460; 470 or 520; 561. The remaining 9 hours are to be elected from upper division courses in sociology.
Supporting Course Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 449, 498, 499.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Minor..... **21 hours**
A 21 hour teaching minor in English, history, or political science is required unless a student has a second major in one of these programs.
Total Curriculum Requirements ..... **128 hours***

*Careful selection of minor courses is required to stay within the 128 hour total.

MINOR IN SOCIOLOGY

A student may minor in sociology by completing the following courses: SOC 131 and 15 hours of sociology electives, 12 of which must be upper division. Three hours of upper division anthropology may be applied to the 15 hours. A total of 21 semester hours is required for a teaching minor.

Social Work

MAJOR, BACHELOR OF SOCIAL WORK

To major in social work a student must declare social work as a first major. To enroll in either of the practicum courses, SWK 390 or SWK 490, a student is required to complete the prerequisites for the specific course; maintain a cumulative grade point average of 2.0; attain a minimum grade of "C" in each course specified for the major and supporting courses; and apply for admission to the specific practicum course the semester prior to enrollment. For additional information, contact the practicum instructor.

Major Requirements ..... **42 hours**
SWK 210, 280, 310, 311, 315, 316, 320, 380, 390, 410, 480, 490.
Supporting Course Requirements ..... **15 hours**
POL 230, PSY 202, SOC 131, 232, 400.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **16 hours**
To broaden their experience and knowledge, students are encouraged to complete their programs with electives selected from anthropology, child development, economics, health, management, law enforcement, political science, psychology, recreation, rehabilitation, sociology, special education, and speech.
Total Curriculum Requirements ..... **128 hours**

MINOR IN SOCIAL WELFARE

A student may minor in social welfare by completing the following courses: SWK 210, 310, 311, 410, and 6 hours of upper division social work or sociology electives.

GRADUATE PROGRAMS

The Department of Anthropology, Sociology, and Social Work offers the degree Master of Arts in Sociology. An option to this degree is available in Community Development, offered jointly with the Departments of Geography and Planning and Political Science. The Master of Arts in Education degree with an option in Sociology is offered in the College of Education with the cooperation of the Department of Anthropology, Sociology, and Social Work. The regulations for this degree may be found in the College of Education section of the Graduate Catalog.

Course Descriptions

ANT — Anthropology

120 Introduction to Cultural Anthropology. (3) I, II. Formerly ANT 202. Explanation of culture and related concepts. Development of generalizations concerning social, economic, political, and ritual organization, based chiefly on comparative study of various traditional societies. Includes a brief survey of archeology and linguistics.

201 Introduction to Physical Anthropology. (3) I, II. General survey of the principal areas of physical anthropology, emphasizing contemporary human biological variation and including an appraisal of mankind's place within the biological realm and the role of genetics, osteology, and primatology in the study of humans. 2 Lec/2 Lab.

206 Human Evolution. (3) A. An introduction to primate and human evolution, emphasizing the fossil evidence of mankind's evolution and the development and evolution of human material culture. 2 Lec/2 Lab.

210 Non-Industrial Societies Around the World. (3) I, II. Formerly part of ANT 110. Descriptive survey of non-industrial societies from various parts of the world, emphasizing the levels of societal development.

211 Industrial Societies Around the World. (3) I, II. Formerly part of ANT 110. Various aspects of cultures in the Industrial Age, presented in evolutionary and global perspective, and including the industrialization of the underdeveloped world, and the implications of automation, cybernetics, and other technology.

325 Problems in Contemporary Cultures. (3) A. Anthropological approach to contemporary history including cultural crises in industrialized civilizations, and problems arising from the industrialization of traditional societies. Implications of current trends in culture change. Problems addressed dependent upon instructor.

330 American Indians. (3) A. Prerequisite: ANT 120 or 201 or 210 or 211 or instructor approval. Descriptive and comparative study of representative native American cultures, emphasizing Indians of North America, and including culture area concept and culture change since European contact.

340 Folk and Peasant Societies. (3) A. Prerequisite: ANT 120 or 210 or 211 or instructor approval. Emphasizes the relatively stable nature of these societies and their extensiveness. Consideration of problems resulting from contacts with non-peasant societies.

345 Selected Topics in Archeology:_____. (3) A. Prerequisite: ANT 120 or 210 or 211 or instructor approval. Sample topics: Systems of Chronology, Historic Archeological Sites. May be retaken for a maximum of 9 hours, provided the subject matter differs each time.

375 Selected Topics:_____. (3) A. Prerequisite: ANT 120 or 210 or 211 or instructor approval. Sample topics: Legal and Political Anthropology, Population Genetics, Cultural Ecology. May be retaken for a maximum of 9 hours credit, provided the subject matter differs each time.

380 Forensic Anthropology. (3) A. Prerequisite: ANT 201 or instructor approval. Forensic osteology and dentistry; including demographic methods, pathology, and practical methods of collecting human physical evidence; and the role of the expert witness. 2 Lec/2 Lab.

399 Role of Women in Traditional and Contemporary Society. (3) A. Cross listed as SOC 399. Prerequisite: ANT 120 or 210 or 211 or SOC 131 or instructor approval. Consideration of the roles women have in traditional societies and their changing roles in modern industrial societies.

435 Area Course in Ethnology:_____. (3) A. Prerequisite: ANT 120 or 210 or 211 or instructor approval. Cultures in selected areas of the world. May be retaken for a maximum of 6 hours credit, provided the subject matter differs each time.

440 Language and Culture. (3) A. Prerequisite: instructor approval. Analysis of the role of language in human experience; mutual effect of language on culture, and culture on language.

470 Field Methods: Archeology. (3) A. Prerequisite: 12 hours in anthropology or instructor approval. Introduction to both excavating techniques and laboratory classifications and the analysis of evidence. Attention given to accurate reporting and analysis.

590 Tutorial in Anthropology. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken for a maximum of 6 hours credit (undergraduate only), provided the subject matter differs each time. Directed study in anthropology.

GRADUATE COURSES

600 Anthropology and Modern Life. (3) A.

610 Anthropology and Education. (3) A.

SOC—Sociology

131 Introductory Sociology. (3) I, II. Basic principles and concepts of sociology, including culture, personality, social structure, group, social processes, and social change.

232 Introductory Sociological Analysis. (3) I, II. Prerequisite: SOC 131. Analysis of sociological concepts in terms of concept formation, measurement, interpretation, and presentation in graphic and table form.

235 Social Problems. (3) I, II. Analysis of selected social problems such as crime, mental illness, homosexuality, divorce, population, and poverty. The analysis includes the definition, causes, and consequences of social problems.

237 Population and Society. (3) A. Examination of population problems; national and international policies and relationships between population and social structure.

245 Sociology of the Family. (3) A. Formerly SOC 345. Prerequisite: SOC 131. Family as an institution in society; its relation to cultural transmission and personality development; its relation to the wider institutional structure of society.

305 Computers and Society. (3) A. Cross listed as CSC 305 and POL 305. The influence of computers on social and political processes. Software related to socio-political issues.

320 Mind, Self and Society. (3) A. Prerequisite: SOC 131. Relation of the individual to the sociocultural environment, with special reference to personality development, interpersonal role-behavior, motivation, and social attitudes.

332 Urban Sociology. (3) A. Prerequisite: SOC 131. Urban concept; origin and development of urban areas; effects of urbanization on social institutions and social relations; research methods applied to urban life and form.

340 Juvenile Delinquency. (3) A. Prerequisite: SOC 131. Survey of theories of juvenile delinquency, including evaluation of the constitutional, psychological, and sociological approaches, and dealing with prediction, treatment, and control.

350 Selected Topics in Sociology:_____. (3) A. Prerequisite: SOC 131 or instructor approval. May be retaken for a maximum of 9 hours credit provided the subject matter differs each time. Sample topics: Appalachian Sociology; Sexism and Society; Utopias.

353 Medical Sociology. (3) A. Prerequisite: SOC 131 or instructor approval. Social and cultural dimensions of health and sickness; analysis of the organized medical facilities in society.

360 The Community. (3) A. Prerequisite: SOC 131. Characteristics of community relations in society; structure of and changes in community life; changing needs and resources of modern communities.

375 Criminology. (3) A. Prerequisite: SOC 131. Survey of theories of criminal behavior as applied to the social processes of law making and law breaking; prediction and control of crime.

395 Research Methods in Sociology. (3) II. Prerequisite: SOC 131 and SOC 232. Methods and techniques of sociological research; includes collecting, measuring, analyzing, processing, and presenting social data.

399 Role of Women in Traditional and Contemporary Society. (3) A. Cross listed as ANT 399. Prerequisite: ANT 120 or 210 or 211 or SOC 131 or instructor approval. Consideration of the roles women have in traditional societies and their changing roles in modern industrial societies.

400 Racial and Cultural Minorities. (3) A. Prerequisite: SOC 131. Analysis of dominant and minority groups from the perspective of sociology and related social sciences with an emphasis on racial and cultural groups in the United States. An examination of prejudice and discrimination.

410 Political Sociology. (3) A. Prerequisite: SOC 131 or instructor approval. Analysis of political behavior and institutions within the structure of society; social attitudes, voting behavior, and political activity.

450 Social Change. (3) A. Prerequisite: 6 hours of sociology or instructor approval. Analysis of theories of social and cultural change in terms of process and direction and methodological issues.

455 Collective Behavior. (3) A. Prerequisite: 6 hours in sociology. Analysis of mass phenomena such as public opinion, rumors, fads, mobs, riots, panics, and social movements, including a consideration of the development and termination of collective behavior forms.

460 Sociological Theory I — Classical Writers. (3) I. Prerequisite: 9 hours in sociology. Early developments in sociological theory; definition of the field and formation of schools of theory; the basis upon which contemporary theories are built.

463 Social Stratification. (3) A. Prerequisite: 6 hours in sociology. Classic and recent studies of social classes and strata; critical analysis of recent research methods; social class, mobility aspirations.

470 Seminar in Sociology. (3) A. Prerequisite: 9 hours in sociology or instructor approval. Systematic overview of sociology through a general survey of various subdisciplines of the field with emphasis on recent research, theory, issues, and developments.

492 Applied Sociology. (3) A. Prerequisite: 6 hours in sociology. Applications of principles of sociological theory to problems of present day society, analysis of past societies, or imaginative construction of future societies.

520 Social Organization. (3) A. Prerequisite: instructor approval. Analysis of various types of organizations in American society; internal and external processes and organizational structure.

561 Sociological Theory II — Contemporary Writers. (3) II. Prerequisite: SOC 460 or instructor approval or graduate standing. Current state of sociological theories; recent formulations, controversies, and trends.

565 Demography. (3) A. Methods of demographic analysis with special emphasis on sources and uses of demographic data; models of population processes such as mortality, fertility, and migration.

585 Sociology of Small Groups. (3) A. Prerequisite: SOC 131 or instructor approval. Studies in the way people behave in small groups; emergence of leadership and coalitions; how changes in task requirements and rules influence the behavior of group members.

590 Directed Study. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken for a maximum of 6 hours credit (undergraduate only) provided the subject matter differs each time. Directed study in sociology.

GRADUATE COURSES

630 Advanced Research Methods. (3) A.
634 Advanced Seminar in Sociology (3) A.
642 Seminar in Population. (3) A.
645 Community Development. (3) A.
650 Selected Topics: (3) A.
652 Society and Personality. (3) A.
680 Survey Design and Analysis. (3) A.
698 Thesis. (3) A.
699 Thesis. (3) A.

SWK—Social Work

210 Introduction to Social Work. (3) I, II. Explores philosophy, values, and processes of social work profession; provides a historical perspective of social welfare system development; introduces major social problems and human conditions relevant to that system.

280 Human and Social Interactions. (3) I, II. Prerequisites: SOC 131 and SWK 210. Integration of biological, social, and psychological theories of human development and personality. Impact of social institutions and cultural diversity on human development.

310 Social Welfare Services I. (3) I, II. Formerly part of SWK 370. Prerequisite: SWK 210. Study of income maintenance programs and services to families and children; role of social workers in these programs.

311 Social Welfare Services II. (3) I, II. Formerly part of SWK 370. Prerequisite: SWK 310 or instructor approval. Study of social programs/services in specialized systems such as health care, corrections, women's services, mental health, and gerontology; role of social workers in these systems.

315 Social Work Practice I. (3) I, II. Prerequisite: SWK 280 or instructor approval. Corequisite: SWK 320. Theoretical base and basic practice skills for beginning social workers. Includes skills in problem assessment, data collection, contact initiation, and contract negotiation.

316 Social Work Practice II. (3) I, II. Prerequisite: SWK 315. Student develops skills in formation, maintenance, and coordination of action systems of all sizes; use of influence, evaluation, and effective termination. Tools used include group interaction, community investigation, and program development.

320 Practice Skills Seminar. (1) I, II. Corequisite: SWK 315. Weekly one-hour seminar for students to develop and experiment with various aspects of the social work process: interviewing skills, sensitivity, data collection, initial contact, and contract negotiations.

380 Human and Social Processes. (3) I, II. Prerequisite: SWK 280, POL 230, and PSY 202. Systems view of human behavior and social environment through examination of the impact of external systems on the developmental life cycle.

390 Field Experience in a Social Agency. (3) I, II. Prerequisite: SWK 315. May be taken concurrently with or following SWK 316. Eight hours per week in an agency, special community program, or project approved by Practicum Coordinator plus weekly one-hour seminar. Applications of practice theory and process. Student must apply the previous semester. Social Work majors only.

410 Social Welfare Policy. (3) I, II. Prerequisite: SWK 310. Relationships among social institutions; dynamics of policy formulation and analysis; policy-relevant tasks of social workers; impact of social welfare policies on human well-being.

455 Selected Topics in Social Work. (3) A. Prerequisite: instructor approval. Course content will be determined by student interest, instructor specialty, and new developments in the profession. May be retaken for a maximum of 6 hours credit provided subject matter differs each time.

456 Children's Services. (3) A. Prerequisite: instructor approval. Critical appraisal of societal values and priorities underlying services to children. Examines range of services and skills used in social work practice with children; understanding psycho-social needs of children.

457 Services for the Elderly. (3) A. Prerequisite: instructor approval. Examines societal values relating to the elderly; psychosocial needs of the elderly; community-based and institutional services; and dynamics of working with the elderly and their families.

480 Professional Integrating Seminar. (2) I, II. Prerequisite: SWK 390. Integration of social work knowledge, skills, and values. Examines social institutions' impact on vulnerable populations; strategies, social work skills, and research useful for work with diverse populations.

490 Social Work Practicum. (12) I, II. Prerequisites: GPA of 2.0 and completion of all other major requirements with a minimum of "C." Supervised practice in a social agency approved by Practicum Coordinator. Four days a week for 12 weeks plus weekly on-campus seminar. Application must be made through Practicum Coordinator the semester preceding placement. Social Work majors only.

590 Directed Study. (1-3) A. Prerequisite: Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken for a maximum of 6 hours credit (undergraduate only), provided the subject matter differs each time.

DEPARTMENT OF

GEOGRAPHY AND PLANNING

Marionneaux, R.L., Chair; Adams, Howes, Kubiak, Monsebroten, Quillen, Schwendeman, Walker.

The major goals of the Department of Geography and Planning are to prepare professional geographers and planners for their role in society; to provide the necessary academic

background for prospective teachers; to provide geographic courses in support of general education; to provide general geographic and planning information to the state, local, and University communities in both a formal and informal manner.

The Department offers programs of instruction leading to degrees in geography, planning and development, and transportation systems. Degrees in geography or planning may lead graduates into such career areas as cartography, resource management, location and marketing studies, teaching, meteorology, environmental assessment, urban and regional planning, transportation, or community development. Career opportunities exist in both the private and public sectors. The programs also prepare students for advanced study in graduate school. The following programs are offered:

Geography

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **37 hours**
GEO 210; 220; 345 or 347; 355; 357; 553; and 18 hours from one of the following areas of emphasis:
General - GEO electives
Physical - GEO 210*, 313, 316, 501, 3 hours GEO electives
Cultural - GEO 330, 331, 402, 421, 422, 3 hours GEO electives
Regional - GEO 345, 347, 442, 6 hours from GEO 440, 441, 546; 3 hours GEO electives
Techniques - GEO 498, 555, 556, 9 hours GEO electives
*Must be different topic from GEO 210 core course above.

Supporting Course Requirements ..... **13-16 hours**
ECO 230; CIS 212 or CSC 171; GLY 108; MAT 107; STA 270 or ECO 220 or STA 208 and 209 and 210.
General Education Requirements..... **52 hours**
Standard General Education program excluding category 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives..... **23-26 hours**
Total Curriculum Requirements ..... **128 hours**

Geography (Teaching)

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **32 hours**
GEO 210; 220; 313 or 316; 330; 331; 345; 402; 421 or 422; 442; GLY 108.
Supporting Course Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 449, 498, 499.
General Education Requirements..... **49 hours**
Standard General Education program excluding categories 12 and 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Minor..... **21 hours**
A 21 hour teaching minor is required.
Total Curriculum Requirements ..... **128 hours***
*Careful selection of minor courses is required to stay within the 128 hour total.

MINOR IN GEOGRAPHY

A student may minor in geography by completing a minimum of 18 semester hours (non-teaching) or 21 semester hours (teaching) as follows: GEO 210, 220, 313 or 316, 330 or 331, plus 4 or 7 hours upper division geography electives, depending upon type of minor.

Planning and Development

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **49 hours**
GEO 210, 355, 356 or 556, 421 or 442, 553, PLA 220, 357, 362, 9 hours from PLA 221, POL 230, ECO 230, 231, SOC 131, GEO 331. In addition, select 15 hours from one of the following areas of emphasis:

Environmental - GEO 402, PLA 310, GLY 390, ECO 580, EHS 320, 335, 450, 480.

Human Resources - GEO 220, PLA 324, SOC 235, 237, 565, SWK 210, PSY 300, HEA 516.

Land Use - GEO 210*; 313; 356 or 556; 421; PLA 310; RST 370; GLY 207; CMA 200.

Community Development - GEO 330, 331, 421, PLA 221, ECO 595, POL 331, FIN 460, SOC 332 or 360.

Transportation - GEO 331, 335, PLA 221, 334, TRA 300, 400, 500, TPD 330.

*Must be different topic from GEO 210 core course above.

Supporting Courses..... **16-19 hours**
POL 370; MAT 107; CIS 212 or CSC 171; STA 270 or ECO 220 or STA 208 and 209 and 210; 6 hours from the following: COM 200, FIN 460, GLY 108, PUB 375.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives..... **5-8 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN PLANNING AND DEVELOPMENT

PLA 220, 362; 6 hours PLA electives; 6 hours electives from GEO 210; 355; 357; 421 or 442; 553; ECO 230; 231; POL 230; 370; 331; SOC 131; 332 or 360; 410; 565; GLY 390; FIN 460.

Transportation Systems

MAJOR, BACHELOR OF ARTS

Major Requirements ..... **34-36 hours**
TRA 300; 500; PLA 220; 334; 362; GEO 335; 421; POL 370; FIN 460; TPD 330; CIS 212 or CSC 171; 3 hours from GLY 207, GEO 331, SOC 332, POL 331.
Supporting Courses..... **13-14 hours**
GEO 210; POL 101; MKT 300; STA 270 or ECO 220 or STA 208 and 209 and 210.
General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives..... **23-26 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN TRANSPORTATION SYSTEMS

TRA 300, 500, PLA 220, 334, GEO 335, POL 370, a total of 18 hours. (With a transportation minor, neither PLA 334 nor POL 370 can count toward a major).

GRADUATE PROGRAMS

The Department of Geography and Planning offers a Master of Arts degree in geography with an option in planning specialization and an option in community development, a joint program offered with the Departments of Anthropology, Sociology, and Social Work, and Political Science. In addition, the Master of Arts in Education degree with an option in geography is offered in the College of Education with the cooperation of the Department of Geography and Planning. The regulations for the degree may be found in the College of Education section of the Graduate Catalog.

Course Descriptions

GEO—Geography

(Approval of department in lieu of prerequisite is dependent upon an equivalent background.)

101 Introduction to Geography. (3) A. Study of the principles of geography stressing cultural change and incorporating the distribution and relationships of mankind over the earth as well as the interactions between man and his physical environment.

201 Cultural Development In the Pre-Industrial Era. (3) A. The study, from a geographic perspective, of the earth's early human occupancy and the divergent development of culture systems and technologies prior to the industrial revolution.

202 Cultural Convergence in the Modern World. (3) A. Study of the elements of cultural convergence in the modern world and how human technologies have advanced to become the dominant agencies in changing the geography of the earth in the modern period of human occupancy.

210 Introduction to Physical Geography: _____. (4) A. Study of the physical environment with emphasis on regional patterns. Two orientations are offered: 1) weather and climate, and 2) landforms. May be retaken up to 8 hours provided subject matter is different. 3 Lec/2 Lab.

215 Introduction to Meteorology. (3) A. This is a non-technical introduction to meteorology designed for non-science majors. Emphasis is placed on the interpretation of weather phenomena and their effects on people.

220 Cultural Geography. (3) A. Introduction to basic concepts of cultural geography, emphasis on analysis of various culture elements and reasons for their regional character and variations.

300 Geography: _____. (1-9) A. Designed for undergraduate participants in institutes, field studies, and special topics. The specific orientation (regional, cultural, physical, etc.) will appear behind the course title. Designated semester hours which can be earned will also be specified.

303 Orienteering. (3) A. Principles, equipment, and techniques of land navigation. The emphasis is directed toward map-reading fundamentals and cross-country navigation. 1 Lec/4 Lab Field exercises.

313 Geomorphology. (4) A. Prerequisite: approval of instructor. Systematic analysis of the origin and development of landforms. Emphasis is on landform classification, geographic distribution, and the processes that produce and change landforms. Interpretation of topographic maps and aerial photographs is included. 3 Lec/2 Lab.

316 Applied Climatology. (4) A. Study of man/climate interrelationships. Emphasis is on the application of climatic information in solving man's problems in water resources, agriculture, human comfort, health, architecture, commerce, industry, and planning. 3 Lec/2 Lab.

330 Economic Geography I. (3) A. Description and analysis of the world pattern of major resources with consideration to their origin, development, and use. Major emphasis is on the primary activities of agriculture, forestry, fishing, and mining, and their regional variations and characteristics.

331 Economic Geography II. (3) A. Description and analysis of secondary and tertiary economic systems and functions. Major topics are related to origin, development, transportation, and distribution of goods and services, manufacturing, trade centers, and area-economic organization, supplemented with case studies.

335 Transportation Geography. (3) A. Basic concepts of transportation geography, including theoretical and applied aspects, networks, commodity and passenger flows, modal characteristics, regional development, and transportation problems from the geographic perspective.

345 Regions and Nations of the World. (3) A. Study of the rapidly changing world regions and the resulting problems. Specific attention will be directed toward present areas of international concern.

347 Regional Geography: _____. (3) A. Physical, cultural, and economic geography of a selected region, with emphasis on areas of current concern. May be retaken for a total of 12 hours providing the subject matter is different. In addition to special regions, a specific regional offering may be directed toward one of the following: Africa, Asia, Latin America, Europe.

355 Cartography. (3) A. Map drafting, design, compilation, and reproduction, utilizing a variety of techniques and materials, and including instruction on the preparation of maps from aerial photographs and satellite imagery.

356 Aerial Photo Interpretation. (3) A. Principles of air photo interpretation. Use of photos and a variety of instruments in making measurements, inventories, sampling, and in planning. Emphasis is on interpretation of land use, vegetation, and terrain.

357 Research and Writing in Geography. (3) A. Cross listed as PLA 357. Evaluation of data sources, techniques and methods of data collection, basic data analysis, and written presentation of geographic research.

402 Conservation, Technology, and Environmental Problems. (3) A. Examination of environmental problems, their relationship to technology, and the application of principles of conservation.

421 Urban Geography. (3) A. Study of city functions, patterns, and past and current problems confronting the city, including the problems of planning, zoning, community housing, shopping centers, and urban renewal.

422 Political Geography. (3) A. Study of major areas of international concern focusing on geographic variations and political behaviors which have created modern political diversity.

440 Geography of Kentucky. (3) A. Study of the physical, cultural, and economic characteristics of the state and their regional organization, including the examination of current problems and future development.

441 Geography of the South. (3) A. Cultural and economic geography of the Southeastern United States. Special emphasis is placed upon assessment and evaluation of current and future geographic problems and issues within the region.

442 Geography of The United States and Canada. (3) A. Formerly Geography of Anglo-America. Study of the physical, cultural, and economic geography of the United States and Canada. Special emphasis is placed upon assessment and evaluation of current and future geographic problems and issues within the various sub-regions of the 2 countries.

450 Field Studies in Geography. (3) A. Field techniques and applied case studies of geographic topics in the surrounding area. 1 Lec/4 Lab & Field exercises.

495 Practicum. (3-6) A. Prerequisite: geography major. Students will work under departmental supervision in governmental, corporate, or private enterprises which are engaged in applied geography. Determination of the number of hours will be made by the department, depending upon the range and depth of activities to be engaged in. May not be retaken.

498 Independent Study. (3) A. Prerequisite: Departmental major with a senior standing. Student must have the Independent Study Proposal form approved by faculty supervisor and departmental chair prior to enrollment.

500 Geography: _____. (1-9) A. Designed for undergraduate and graduate participants in institutes, field studies, and special topics. The specific orientation (regional, cultural, physical, etc.) will appear behind the course title. Designated semester hours which can be earned will also be specified. Student must have the Independent Study Proposal form approved by faculty supervisor and departmental chair prior to enrollment (if applicable).

501 Advanced Geography: _____. (3) A. Prerequisite: approval of department. In-depth study of physical, cultural, or economic geography themes. May be retaken for a maximum of 6 hours if subject matter differs each time.

546 Regional Geography: _____. (3) A. Intensive study of a selected area of less than continental size offered upon demand and by an instructor who has done research in the selected region, or by a visiting lecturer. May be retaken for a maximum of 6 hours if subject matter is different each time.

553 Quantitative Applications in Research. (3) A. Prerequisite: Introductory Statistics course. Quantitative techniques applied to geography and planning problems. Emphasis is on descriptive, inductive, bivariate, and multivariate statistical methods. Use of computer facilities is included.

555 Advanced Cartography. (3) A. Prerequisite: GEO 355 or approval of department. Advanced techniques of cartographic presentation of data and use of aerial photographs and satellite imagery in map construction. 1 Lec/4 Lab.

556 Remote Sensing. (3) A. Prerequisite: Approval of department. Characteristics, uses, and interpretation of several types of remote sensing imagery, emphasizing aerial and multispectral scanner radar, and thermal infrared imagery, including digital data processing by computer satellite imagery.

GRADUATE COURSES

600 Geography: _____. (1-9) A.

601 Seminar in Geography: _____. (3) A.

650 Field and Research Methods in Geography. (3) A.
651 Seminar in History and Philosophy of Geography and Planning. (3) A.
653 Theory and Models in Geography. (3) A.
697 Special Studies in Geography. (3) A.
698 Research. (3) A.
699 Thesis. (3-6) A.

PLA—Planning

Approval of department in lieu of prerequisite is dependent upon an equivalent background.

220 Introduction to Planning. (3) A. Introduction to urban, regional, state and national planning. Topics include the development of planning and its vocabulary; the process, functions, and organization of planning; and planning for elements and systems.

221 Urban Design. (3) A. Introduction to design methods applied to the urban environment. Emphasis is on development of design and on understanding the design process. Studio experience is provided.

310 Land Use and Environmental Planning. (3) A. Principles of land use planning, regulatory measures, environmental factors and impacts, and problem areas facing planners.

324 Human Resources Planning. (3) A. Introduction to the application of the planning process to social and/or human resources at the local, regional, state, and national levels. Consideration will be given to various approaches to problem identification and solutions within the context of the affected demographic sectors.

334 Transportation Planning. (3) A. Principles of transportation planning, with emphasis on transportation and land-use relationships, data gathering, planning techniques, and examination of transportation problems and trends.

357 Research and Writing in Planning. (3) A. Cross listed as GEO 357. Evaluation of data sources, technologies and methods of data collection, basic data analysis, and written presentation of planning research and reports.

362 Legal Aspects of Planning. (3) A. Basic elements of law relevant to planning. Includes legislation, procedures, organization of planning at the local, county, regional, state, and national levels, and case studies. Also included are legal characteristics of private, corporate, and public planning.

490 Planning Seminar. (3) A. Prerequisite: approval of department. Selected topics. Student may retake this course for a maximum of 6 credit hours.

495 Practicum. (3-6) A. Prerequisite: planning major. Students will work under departmental supervision in governmental, corporate, or private enterprises which are engaged in planning. Determination of the number of hours will be made by the department, depending upon the range and depth of activities to be engaged in. May not be retaken.

498 Independent Study. (3) A. Prerequisite: approval of department. Independent study topic in specific aspects of planning. Student must have the Independent Study Proposal form approved by faculty supervisor and departmental chair prior to enrollment.

GRADUATE COURSES

621 Seminar in Planning: _____. (3) A.
650 Field and Research Methods in Planning. (3) A.
653 Theory and Models in Planning. (3) A.
695 Internship. (6) A.
697 Special Studies in Planning. (3) A.
698 Research. (3) A.
699 Thesis. (3-6) A.

TRA—Transportation

300 Introduction to Transportation Studies. (3) A. Introductory survey of transportation systems and their relationships to other societal systems. Integral to the course is the student's involvement in relating the field of transportation to the student's prior studies in other areas.

400 Studies in Transportation. (3) A. Prerequisite: approval of instructor. Study of special topics related to transportation systems. Topics will include physical, social and/or political environmental aspects of transportation. May be retaken for a maximum of 6 hours credit if subject matter is different each time.

500 Independent Study in Transportation. (3) A. Prerequisite: TRA 300 and approval of instructor. Individual research and/or reading on a problem or area in transportation chosen by the student after consultation with the course instructor. May be retaken for maximum of 6 hours if subject matter is different each time.

510 Senior Seminar in Transportation. (3) A. Prerequisite: approval of instructor. Study of transportation problems of modern society with attention to current and projected solutions of those problems.

DEPARTMENT OF HISTORY

Robinson, G. W., Chair; Algier, Berge, Coe, Ellis, N. Forderhase, R. Forderhase, Graybar, Mutersbaugh, Odum, Stebbins, Tsao.

A major in history prepares a student for a wide variety of careers including civil service, social work, law, journalism, politics, radio, television, and advanced graduate study leading to college teaching or library work. In addition, businessmen indicate that they frequently give strong consideration to history majors for executive positions.

Combined with a teaching certificate, a major in history provides an excellent basis for teaching social studies on the secondary level, or pursuing advanced teaching degrees.

Graduating high school seniors who are interested in the relationship between ideas and events, are curious why certain things happen, and are concerned with human achievements through the years should consider history as a major area of study.

History

MAJOR, BACHELOR OF ARTS

Major Requirements ..... 30 hours
HIS 202, 203, 448, 449, and 18 elective hours distributed in such a way that one course is drawn from each of the following 6 areas:

Area I: HIS 300, 401, 403, 405, 502, 507, 508, 530 (U.S. early).
Area II: HIS 300, 410, 413, 433, 511, 512, 531, (U.S. recent).
Area III: HIS 300, 303, 305, 406, 509, 516 (topical).
Area IV: HIS 336, 339, 340, 345, 500 (non-U.S. early).
Area V: HIS 346, 347, 500, 527, 549, 552 (non-U.S. middle).
Area VI: HIS 363, 365, 374, 383, 500, 585 (non-U.S. recent).

Supporting Course Requirements ..... 0 hours
At least 3 hours of one foreign language is strongly recommended. Students who plan to pursue a graduate degree are strongly encouraged to take at least 6 hours of a foreign language.

General Education Requirements..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 45 hours
Total Curriculum Requirements ..... 130 hours

History (Teaching)

MAJOR, BACHELOR OF ARTS

Major Requirements ..... 30 hours
Same as history major without teaching.

Supporting Course Requirements ..... 28 hours
EDF 102, 202, 317, EPY 318, ESE 449, 498, 499.

General Education Requirements..... 55 hours
Same as history major without teaching.

***Minor or Related Courses..... 18-21 hours**
Total Curriculum Requirements ..... 130 hours**

*A student who majors in history may minor in a related discipline if desired. If not, he will elect 18 hours of related courses drawn from non-history disciplines. Neither a minor nor related courses are required for a non-teaching major.

**Careful selection of minor courses is required to stay within the 130 hour total.

MINOR IN HISTORY

Students majoring in other disciplines may minor in history by completing the following courses: HIS 202; 203; HIS 231 or GSS 246; HIS 232 or GSS 247; 6 hours upper division history electives. Students desiring teaching certificates must complete an additional 3 hours of upper division history.

SECOND MAJOR IN HISTORY

A student may complete a second major in history by completing the major requirements listed above.

HISTORICAL PRESERVATION EMPHASIS

History majors who wish to improve their respective employment possibilities are strongly advised to take the following Historical Preservation core; HIS 301, 308, 309, 539, IET 311, 3 hours from Area I, and 3 hours from Area II of the history curriculum. Courses counting toward the student's major may not be counted toward this area.

GRADUATE PROGRAMS

The Department of History offers the Master of Arts with thesis and without thesis and cooperates with the College of Education in offering course work for a Master of Arts in Education (Secondary Education-History). The regulations for the degree may be found in the College of Education section of the Graduate Catalog.

Course Descriptions

HIS—History

202 American Civilization to 1877. (3) A. Transition from colonial to independent republic; social, cultural and economic institutions derived from agrarian conditions; the influence of European foundations. Required of all majors and minors in history.

203 American Civilization since 1877. (3) A. Conflicts between demands of an industrial society and agrarian values; interrelationships between world expressions and American experience. Required of all majors and minors in history.

231 Western Civilization I. (3) A. Ancient Greece to the industrial revolution; institutions, ideas, and social and economic relationships basic to the modern world. Credit will not be granted for both HIS 231 and GSS 246.

232 Western Civilization II. (3) A. Industrial revolution to present; transformation of cultural background through ideas, science, and industry; development of current western civilization. Credit will not be granted for both HIS 232 and GSS 247.

298 Ideas and Modern Man. (3) A. Formerly HIS 398. Not applicable as history elective. Basic concepts in western heritage through the Enlightenment; reading and discussion of selections from great books and documents. Contains a creative component.

299 Ideas and Modern Man. (3) A. Formerly HIS 399. Not applicable as history elective. Basic concepts in modern world heritage from the Romantic Era to the present; reading and discussion of selections from great books and documents. Contains a creative component.

300 Topics in History. (3) A. Movements in history that have influenced and continue to influence the course of culture and civilization.

301 Introduction to Museology. (3) A. Credit does not apply toward a major or minor in history. History and management of museums; practical experience in museum work.

303 Women in American History. (3) A. Social, economic, and cultural role of women in America. Women's work; social position and status; women in reform movements; feminism and the suffrage movements; the new feminism.

305 Afro-American in U.S. History. (3) A. African heritage; middle passage; the peculiar institution; the Negro and the Civil War; Reconstruction; the strange career of Jim Crow; modern emancipation; black nationalism.

308 Archival Management. (2) A. Functions of archives; processing, indexing, cataloging, and preservation of historical materials. Credit does not apply to a major or minor in history.

309 Government Documents. (1) A. Functions of government documents collections; acquisition, cataloging and storage. Credit does not apply to a major or minor in history.

336 Greco-Roman Civilization. (3) A. Greek society and culture; emergence of the Roman Republic; the Roman Empire.

339 Medieval Civilization. (3) A. Western, Byzantine, and Saracen cultures from the breakdown of the Roman Empire to the emergence of modern states.

340 European History from 1300 to 1815. (3) A. Renaissance and Reformation to the French Revolution and Napoleon.

345 English History to 1603. (3) A. Roman Britain; Feudalism; rise of Parliament; Hundred Years' War; Reformation; Elizabethan Age.

346 English History from 1603 to present. (3) A. Civil War; imperial expansion; beginnings of industrialization; Victorian Liberalism; two world wars and after.

347 Recent and Current World History, 1914 to present. (3) A. World War I; peace settlement of 1919; problems of security; war debts and reparations; disintegration of peace settlement; World War II; the Cold War.

349 Cooperative Study: History. (1-8) A. Prerequisite: departmental approval. Does not apply toward a major or minor in history. Work in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 8 associate; 16 baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

363 History of Russia. (3) A. Formative period of Slavic states; social and economic forces leading to autocracy; growth of revolutionary thought and action to Revolution of 1917.

365 History of Soviet Union. (3) A. Formerly HIS 562. The 1917 revolution to the present; the Soviet regime; World War II; post-war years.

374 Far Eastern History. (3) A. China and Japan from ancient times to present; major political, economic, social and intellectual developments; impact of the West.

383 Latin American History. (3) A. Topical approach emphasizing politics, religion, social institutions, economic developments, and intellectual life from pre-Columbian time to the present.

401 American Colonial Period. (3) A. Political and social history of the 13 colonies and their neighbors; European background; settlement; westward expansion; intercolonial conflicts; beginnings of culture; colonial opposition to imperial authority.

403 Jacksonian America, 1824-1848. (3) A. Formerly HIS 503. Political, social and economic transformation in an era of general exuberance.

405 America's Westward Expansion. (3) A. Colonial frontier; trans-mountain movements; Indian problems; Manifest Destiny; the sectional struggle; mining; railroads; cattle; agriculture.

406 South in American History. (3) A. Colonial developments; origins of sectionalism; Negro slavery and the plantation system: Civil War and Reconstruction; modern South.

410 Gilded Age, 1877-1898. (3) A. America's industrial expansion; rise of labor unions; the farm protest; political bossism; immigration; the skyscraper and the new face of the American city; baseball and the development of a mass culture.

413 United States and World Responsibility, 1945-Present. (3) A. Problems of post-war adjustment; the Cold War; the affluent society; problems inherent in world leadership.

433 American Diplomatic History. (3) A. American foreign relations from the late 19th century to present; emphasis on development of major trends such as isolationism, imperialism, and internationalism.

448 Topics in History and Social Science. (3) A. Prerequisite: history major and 6 hours upper division history. Research and writing methods in history and social science. Study topics vary according to specialties of instructor.

449 Readings in History. (3) A. Prerequisite: history major and 3 hours upper division history. The most important literature in historic fields. Fields vary according to specialties of instructor.

500 Topics in Non-U.S. History. (3) A. Special topics beyond the scope of regularly offered courses. May be retaken provided the subject matter differs each time.

502 American Revolution and the Constitution. (3) A. Prerequisite: HIS 202 or instructor approval. Colonial background of Revolution; internal and external nature of Revolution; problems associated with Confederation; events leading to the American Constitution.

507 Civil War and Reconstruction. (3) A. Prerequisite: HIS 202 or instructor approval. Causes, nature, and consequences of U.S. Civil War and Reconstruction.

508 Early Republic, 1789-1824. (3) A. Prerequisite: HIS 202 or instructor approval. Federalists, Republicans, and the Constitution; the French Revolution; War of 1812; breakup of political parties; new political divisions.

509 Urban America. (3) A. Prerequisite: HIS 202 and 203 or instructor approval. Growth, development and implications of the city

in American history.

511 Progressive Era, World War I and the Twenties, 1898-1928. (3) A. Prerequisite: HIS 203 or instructor approval. Progressive movement, imperialism; entry into war; the Treaty of Versailles; New Economic Era.

512 Depression and War, 1929-1945. (3) A. Prerequisite: HIS 203 or instructor approval. The U.S. and the Great Depression; coming of World War II; U.S. participation in war.

516 Kentucky History. (3) A. Formerly HIS 461. Social, economic, and political survey; Kentucky's role in national developments.

527 Europe from 1815 to 1914. (3) A. Formerly HIS 447. Congress of Viennna; revolutionary reform; liberalism; realism and nationalism; world-wide impact of Europe prior to World War I; industrialism, imperialism.

530 American Social and Intellectual History to 1850. (3) A. Prerequisite: HIS 202 or instructor approval. European influences; the colonial mind; revolutionary attitudes; New England's leadership; the movement of protest and reform; the rise of a native literature.

531 American Social and Intellectual History since 1850. (3) A. Prerequisite: HIS 203 or instructor approval. Civil War; Protestantism and capitalism; Social Darwinism; literature of naturalism and realism; the 20th century mind.

539 Oral History. (3) A. Prerequisite: HIS 202 and 203 or instructor approval. Oral history as an alternative form of historical research; equipment; interviewing techniques; indexing and filing; practical experience with Oral History Center. Credit does not apply to major or minor in history.

549 Tudor-Stuart England, 1485-1688. (3) A. Prerequisite: HIS 345 or 346 or instructor approval. Resurgence of the monarchy; Protestant Reformation; Rise of Parliament; Anglicanism vs. Puritanism; Glorious Revolution.

552 Georgian-Victorian England, 1714-1901. (3) A. Prerequisite: HIS 346 or instructor approval. Growth of parliamentary government; expansion of British Empire; changing role of the Crown; the Industrial Revolution.

585 History of Brazil. (3) A. Prerequisite: GSS 246, 247 or instructor approval. Brazil's history from 1500 to the present; emphasis on developments since 1930.

GRADUATE COURSES

600 Historiography and Criticism. (3) A.
602 Philosophy of History. (3) A.
606 Problems in Interpreting World History. (3) A.
607 Problems in Interpreting American History. (3) A.
649 Reading and Research. (3) A.
699 Thesis. (3-6) A.

DEPARTMENT OF
POLITICAL SCIENCE

Busson, T., Chair; Agger, Blanchard, Dean, Fretty, Heberle, Kline, Kwak, McCord, Patton, G. Rainey, J. Rainey, Singleton, Vance.

The Department of Political Science offers programs of instruction leading to degrees in political science, paralegal studies, and paralegal science. The primary functions of the Department are to offer an understanding of government and the political process, to direct the students into the many careers open to political science majors in government, public service, private enterprise, law, and teaching, and to provide the positive knowledge necessary to participate in the complexities of modern society. A political science major is useful in conjunction with other majors where a knowledge of politics and the political process is essential. It also prepares students for advanced graduate study in the discipline.

Political Science majors may choose a general course of study or may choose to emphasize study in one of the following subfields: American political process, comparative government, international relations, political theory and methodology, or public administration. Supporting courses vary according to the emphasis chosen. The courses in public administration have been developed on the basis of guidelines for undergraduate programs in public administration by the National Association of Schools of Public Affairs and Administration.

PARALEGAL PROGRAM

The Paralegal Program, located in the Department of Political Science, is designed to prepare majors for a career as a paralegal. The purpose of the program is to prepare students to assume a key role on the professional legal team assisting attorneys in providing more personal, efficient, and economical legal services.

Eastern Kentucky University offers two degree programs which are approved by the American Bar Association. These include the four year liberal arts oriented bachelor's degree in Paralegal Science and the two year Associate of Arts degree in Paralegal Studies. The two year curriculum is primarily for persons already working in a law office or who have substantial work experience.

The objectives of the Paralegal Program are to:

1. Create, implement, and maintain a strong, flexible program directed to the quality education of occupationally competent paralegals.
2. To provide a paralegal education program which leads to the opportunity for employment of its graduates by a wide range of employers.
3. To provide paralegals with a well-rounded, balanced education founded on a beneficial mix of general education, theory, and practical courses stressing understanding and reasoning rather than rote learning of facts.
4. To support the general principles of ethical legal practice, professional responsibility, and the prohibitions against the unauthorized practice of law by laymen.
5. To provide an educational program which is responsive to the varied needs of the state of Kentucky and the region and contributes to the overall advancement of the legal profession.
6. To provide a program which instills respect for the legal profession and its foundations, institutions, and quest for justice.
7. To maintain equality of opportunity in the educational program without discrimination or segregation on the grounds of race, color, religion, natural origin, or sex.

Political Science

MAJOR, BACHELOR OF ARTS

Major Requirements ..... 30 hours
POL 101 and 6 hours from international relations and/or comparative courses; 6 hours from American government and/or public administration courses; 3 hours from 557, 558, or 559; plus 12 hours in political science. (A total of 15 hours must be in courses numbered 300 or above.)
Supporting Course Requirements ..... 0-18 hours
The student will be encouraged to choose at least 18 hours from a list of supporting courses for the particular major emphasis chosen. Lists of supporting courses vary for each emphasis.
General Education Requirements ..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... 25-43 hours
Total Curriculum Requirements ..... 128 hours

Political Science (Teaching)

MAJOR, BACHELOR OF ARTS

Major Requirements ..... 30 hours
POL 101 and 6 hours from international relations and/or comparative courses; 6 hours from American government and/or

public administration courses; 3 hours from 557, 558, or 559; plus 12 hours in Political Science. (A total of 15 hours must be in courses numbered 300 or above.)

Supporting Course Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 449, 498, 499.

General Education Requirements..... **52 hours**
Standard General Education program, excluding course category 12. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Minor..... **21 hours**
A 21 hour teaching minor is required.

Total Curriculum Requirements ..... ***128 hours**
*Careful selection of minor courses is required to stay within the 128 hour total.

MINOR IN POLITICAL SCIENCE

A student may minor in political science (non-teaching) by completing POL 101 plus 15 hours of which 9 hours must be in courses numbered 300 or above. A total of 21 semester hours is required for a teaching minor.

Paralegal Science

MAJOR, BACHELOR OF ARTS

In addition to the requirements specified below, students majoring in paralegal science must attain a minimum grade of "C" in all courses specified for the major and in supporting courses.

Major Requirements..... **34 hours**
LAS 210, 211, 301, 399, 401, RST 320, plus 15 hours selected from: LAS 310, 340, 350, 370, 380, 390, 392, 490, ACC 210.

Supporting Course Requirements ..... **15 hours**
ACC 201, ENG 301, OAD 560, POL 101, and a choice of one from POL 460, 463, 464.

General Education Requirements..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **24 hours**

Total Curriculum Requirements ..... **128 hours**

Paralegal Studies

MAJOR, ASSOCIATE OF ARTS

In addition to the requirements specified below, students majoring in paralegal studies must attain a minimum grade of "C" in all courses specified for the major, excluding General Education requirements and electives. An overall GPA of 2.0 is required for graduation.

First Year..... **33 hours**
CSO 100; ENG 101 and 102 or ENG 105; 7 hours from General Education electives in Areas II, III, or IV; ACC 201; OAD 280; LAS 210; 211; POL 101; 4 hours of restricted electives to be met by MIL 101 and 102 or by electives to be chosen outside the student's major field of study.

Second Year..... **32 hours**
LAS 301, 399, RST 320, ENG 301, plus 15 hours from LAS 310, 340, 350, 370, 380, 390, 392, 401, ACC 210, plus 4 remaining hours of electives.

Total Curriculum Requirements ..... **65 hours**

GRADUATE PROGRAMS

The Master of Arts degree is designed to prepare one for possible junior college teaching, as an intermediate degree for those who wish to continue their graduate careers, as preparation for advanced positions in government, industry, and other areas of employment, or to develop one's understanding of the political process.

The Department offers the degree of Master of Public Administration primarily for persons interested in government service. Specialized options in Court Administration, Community Health Administration, and Community Development are offered. The Institute of Government, an administrative unit of the Department, serves as focus for many activities connected with the public administration offerings.

The Master of Arts in Education degree with an option in political science is offered in the College of Education with the cooperation of the Department of Political Science. The regulations for the degree may be found in the College of Education section of the Graduate Catalog.

For further information, see the Graduate Catalog.

Course Descriptions

Sub-fields of Political Science courses numbered 200 through 600 are indicated by the numbering sequence as follows: Comparative Government — 10's; International Relations — 20's; American (State and Local) — 30's; American Political Process — 40's; Judicial Process — 60's; Public Administration — 70's; Theory — 50's; Special Topics and Methodology by 00's and 90's.

POL—Political Science

100 Principles of Politics and Government. (3) I, II. An introductory social science course focusing on the political and governmental aspects of societies. May not be counted toward Political Science major.

101 Introduction to American Government. (3) I, II. Principles, functions, and basic political institutions of the American system of government at the national level.

201 Short Topics in Political Science. (1-3) A. A maximum of 3 short topics offered sequentially during 1 semester. The student may take any or all topics. May be retaken for 6 hours when topics vary. Does not count toward Political Science major.

210 Political Development: Traditional and Transitional Societies. (3) I, II. Examination of traditional and transitional nations and regions, past and present; relation between political development and social and economic political institutions; development of national identity.

211 Political Development: Modern Societies. (3) I, II. Politics and political change in modern, industrial societies. Democratic and authoritarian systems as ways of promoting and dealing with technological, economic, and social changes and their consequences.

220 Problems of International Politics. (3) I, II. Formerly POL 202. Cooperation and conflict in the relations among nations. Diplomacy, military force, and international organizations as instruments, with emphasis on the international behavior of the great powers.

230 American State and Local Government. (3) I, II. Formerly POL 203. Study of the institutions and processes of government of the fifty states and of cities and counties.

300 Contemporary Political Problems. (3) I, II. Application of the skills of citizenship to problems of contemporary politics. Designed to increase the students' political awareness and ability to function politically in contemporary society.

301 Research and Writing in Political Science. (3) A. Prerequisite: majors only. Practical application of techniques and methods used in collection, analysis, and written presentation of political data.

305 Computer and Society. (3) A. Cross listed as CSC 305 and SOC 305. The influence of computer on social and political processes. Software related to socio-political issues.

315 Politics of Western Democracies. (3) A. Prerequisite: 3 hours of political science or instructor approval. Examination of major characteristics, similarities and differences in the political systems of selected Western democracies.

316 Government and Politics in the USSR. (3) A. Survey of domestic politics in the USSR; background and development of the Soviet system; the party-state structure; the policy-making process and power struggle; relation of the system to Soviet society.

317 Politics and Religion. (3) A. Interaction of government, politics, and religion in the U.S. and other countries; theories of church-state relations; religious organizations as pressure groups, agents of socialization, and objects of government policies; religion and nationalism.

321 American Foreign Policy. (3) II. Prerequisite: 3 hours of political science or instructor approval. Analysis of the internal processes and external factors which affect U.S. foreign policy, with emphasis on the post-World War II period. Case studies in decision-making.

327 International Law and Organization. (3) A. Prerequisite: 3 hours of political science or instructor approval. Analysis of the development of the U.N.; functional and regional approaches to

peace, security, economic cooperation, social welfare, and law in international relations.

331 Urban Politics. (3) A. Political processes of urban areas including comparisons of alternative structures of urban and other local government.

332 Government of Kentucky. (3) I, II. Political setting, popular control of government, constitution, legislature, governor, courts, local government, finance, functions of government and relation to national government. (Credit not allowed for both POL 332 and POL 401B.)

340 American Politics: Parties, Public Opinion and Pressure Groups. (3) A. Prerequisite: POL 101 is recommended. Informal political institutions of American government; functions, organization, financing of political parties, public opinion, and pressure groups. Their relationship to democracy.

341 The Legislative Process: Congress and State Legislatures. (3) A. Prerequisite: POL 101 is recommended. A systematic examination of the decision-making process in Congress and state legislature.

342 The American Chief Executive: President and Governor. (3) A. Prerequisite: POL 101 is recommended. An examination of the power and functions of the offices of the president and governor. Recent developments affecting the American president will be emphasized.

345 Minority Group Politics. (3) A. Prerequisite: POL 101 is recommended. Examination and comparison of various theories, strategies, forms of participation, leadership styles, and concepts (e.g., Black Power) of minority group politics.

349 Cooperative Study: Political Science. (1-8) A. Work in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 8, associate; 16, baccalaureate. A minimum of 80 hours employment required for each semester hour credit. No more than 6 hours may count toward the major.

357 American Political Thought. (3) A. Study of the political philosophy and values that have shaped the American political system. Emphasis given to problems in democratic theory and to competing ideologies within the American political system.

360 Judicial Process. (3) A. Study of legal and judicial systems in the United States and their role in the American political process.

370 Introduction to Public Administration. (3) A. Prerequisite: POL 101 or 230. Survey of organization, authority, decision-making, intra-organization communications and application of principles of the American bureaucracy by case studies.

371 Governmental Administration of Social Services, Programs, and Agencies. (3) A. Prerequisite: 3 hours of political science, social work, or instructor approval. Examination of the political and administrative problems in public agencies and survey of management tools available to those responsible for the delivery of social services.

374 Introduction to Public Policy. (3) A. Introduction to the role of federal, state, and local governments in the formulation, implementation, and evaluation of public policies. Examples of policy decisions which might be covered include, energy, housing, environmental quality, and social services.

376 Public Personnel Policy. (3) A. Overview of institutions, policies, and practices for utilization of human resources in government. Analysis of contemporary issues. Civil Service systems, public unionism, affirmative action, public sector efficiency.

377 Public Budgeting. (3) A. The political consideration of budget formulation, budget strategy, and budget execution. An analysis of the role of taxes, spending, program evaluation, and planning in the budgeting process at the federal, state, and local levels.

400 Kentucky Administrative Intern Program. (18) A. Prerequisite: junior or senior standing with a cumulative grade point average of 2.6 or better (on a 4.0 scale). Enrollment is limited and by invitation only.

400A. Internship in State Government. (6) A. Each intern's performance in his or her job is evaluated by the agency supervisor in consultation with the intern's campus coordinator or the student's advisor in the department granting credit for the internship.

400B Research for State Government. (3) A. Each intern prepares a major paper on some phase of the agency assignment for evaluation by the campus coordinator. The topic is chosen by the intern in consultation with the agency supervisor and the campus coordinator.

400C Issues in Human Resource Management. (3) A. A seminar introducing students to the theory, practice, and major issues of public personnel administration in the context of Kentucky state government.

400D Kentucky Legislative Process and Policy. (3) A. Using the Kentucky Legislature as a laboratory, the politics and process of developing legislation is examined in this seminar.

400E Administration of State Agencies. (3) A. Using examples from Kentucky state government, this seminar examines the success of policy formulations and budget making in government.

401 Legislative Internship. (15) A.
The courses include:

401A Legislative Internship. (3) A.

401B Kentucky State Government and Constitution. (3) A. (Credit not allowed for both POL 332 and POL 401B.)

401C Legislative Process. (3) A.

401D. Involvement in Government. (3) A.

401E Analysis of Contemporary Problems in State Government Administration. (3) A. Internship is for upper-division students who have a definite interest in the Legislative process in the Commonwealth. Enrollment is limited and by invitation only.

405 Special Topics in Political Science. (3) A. Exploration of a particular topic: theorist, institution, process, policy, writings, or their combinations. Prerequisites set by the department. May be retaken for a maximum of 6 hours provided subject matter is different each time.

416 World Communism. (3) A. Theories and practices of international communism as developed by Marx, Lenin, and others. Interaction and change in the world communist system, including sources of conflict, and attempts at unification. Focuses on current era of polycentrism.

440 Voting Behavior. (3) A. Prerequisite: POL 101 is recommended. Survey of recent literature in the field of voting behavior in the U.S. Topics include public opinion, polling, participation, and campaign behavior. Attention paid to methodologies and techniques.

460 Law and Society. (3) A. Sources, nature, function and limits of law as an instrument of social and political control and direction. Examples taken from property, torts, contracts, criminal law, and selected areas of public policy.

463 Constitutional Politics. (3) A. An examination of constitutional problems in American government. Emphasis is given to cases in their legal and political context.

464 Law and Politics of Civil Liberties. (3) A. An examination of historic and contemporary problems of civil liberties. Emphasis is given to cases in their legal and political context.

490 Independent Work in Political Science. (1-3) A. Individual research and/or reading on a problem or area in political science. Regular reports and final research paper required. May be retaken for up to 6 hours. Students must have the Independent Study Proposal form approved by faculty supervisor and departmental chair prior to enrollment.

495 Practicum in Political Science. (1-3) A. Supervised field study program. May be retaken for maximum of 6 hours credit, provided subject matter differs each time. Student must have the Independent Study Proposal form approved by faculty supervisor and departmental chair prior to enrollment.
The courses include:

495A Practicum in American Political Process. (1-3) A.

495B Practicum in Comparative Political and International Relations. (1-3) A.

496A Washington Internship. (6-12) A. Supervised internship with government or private agencies in Washington, D.C. Open by application to those students who fulfill the prerequisite of junior or senior standing with 2.5 GPA.

496B Washington Seminar. (3) A. Seminar on selected topics in national government to be taken in conjunction with POL 496A.

512 Government and Politics of China. (3) A. Analysis of political development, organizational structure, and operation of Chinese political systems with particular emphasis on Chinese Communism, foreign policies, and contemporary problems in China.

513 Government and Politics of Japan and Korea. (3) A. Comparative analysis of political development, organizational structures, and operation of political systems of Japan and Korea with particular emphasis on interaction of the 2 countries with the United States.

516 Policy-making and Administration in Communist Regimes. (3) A. Analysis of Communist political institutions with emphasis on decision-making and administration; relation of communist parties to other governmental institutions; leadership; interest groups; principles and problems of Communist administration.

517 Politics and Modernization. (3) A. Comparative study of politics in contemporary African, Asian, Latin American, and Middle Eastern societies to consider the relationship between political

POL—Political Science

change and the broader social change called modernization.

521 Contemporary International Relations. (3) A. Systematic analysis of major contemporary theories and approaches to the study of international politics and foreign policy.

525 Workshop in International Affairs. (3) A. Explores major problems in international affairs. Covers various areas of the world with reference to significant factors and problems of the people. Designed primarily for secondary teachers in the social science field. Offered summer session only.

530 Problems in Metropolitan and Municipal Government and Politics. (3) A. Prerequisite: POL 331 is recommended. Examination and comparison of intergovernmental, social, fiscal, and other economic problems and their impact upon metropolitan and municipal politics.

541 Politics and Education. (3) A. An examination of the way political decisions and policies are made in the field of education. Special attention is given to educational decision makers and political power at the local level.

557 Classical Political Thought. (3) A. Cross listed as PHI 557. Formerly POL 555. Examination of the origins of Western political thought. Intensive reading of Plato, Aristotle, and Cicero.

558 Medieval, Renaissance and Reformation Political Thought. (3) A. Cross listed as PHI 558. Examination of the political theories of Augustine, Aquinas, Dante, Marsillio, Machiavelli, Luther, Calvin, and Bodin. Attention to the church-state controversy, the development of the concepts of representation, constitutionalism, and sovereignty.

559 Modern Political Thought. (3) A. Cross listed as PHI 559. Formerly POL 556. Examination of the development of political thought from Hobbes to Nietzsche.

564 Introduction to Court Administration. (3) A. Organization of the court system; decision processes in the courts; judicial selection, removal, compensation, and education; court reform and court administration are the primary topics of this course.

565 Administrative Law. (3) A. Prerequisite: graduate standing or instructor approval. Nature of the powers vested in administrative agencies; the problems of administrative procedure; and the methods and extent of judicial control over administrative action.

GRADUATE COURSES

600 Research Methods in Political Science. (3) A.
601 Public Administration and Public Policy. (3) A.
610 Seminar in Comparative Politics. (3) A.
620 Seminar in International Relations. (3) A.
635 Seminar in Intergovernmental Relations. (3) A.
643 Seminar in Political Process. (3) A.
653 Seminar in Political Theory. (3) A.
663 Seminar in Public Law. (3) A.
664 Seminar in Trial Court Administration. (3) A.
665 Seminar in Court System Administration. (3) A.
670 Public Administration Internship. (3-6) A.
671 Applied Field Study in Public Administration. (3-6) A.
673 Seminar in Theory of Public Administration. (3) A.
675 Governmental Organization and Administrative Theory. (3) A.
676 Public Personnel Administration. (3) A.
677 Public Finance Administration. (3) A.
679 Public Program Analysis. (3) A.
691 Directed Research. (3) A.
693 Special Topics. (3) A.
695 Independent Study. (1-3) A.
699 Thesis. (3) A.

LAS—Paralegal

210 Introduction to Law. (3) A. Formerly LAS 110. General study of the purpose, function, and history of law; law-related occupations; court systems; case law analysis; professional ethics; the adversary system; and the major areas of law.

211 Legal Research and Writing. (3) A. Formerly LAS 111. Prerequisite: LAS 210. The sources and techniques of legal research; their application to specific legal problems and the use of legal authority to construct a written legal argument.

301 General Practice Law. (3) A. Prerequisite: LAS 211 or director's approval. Study of procedures, forms, and documents for the general law office: real estate transactions, title searching, subrogation cases, torts, contracts, and bankruptcy, emphasizing the systems approach.

310 Family Law Practice. (3) A. Prerequisite: LAS 211 or director's approval. Paralegal practice in family law including forms, documents, and procedures for: marriage, divorce, separation, annulment, alimony, legitimacy of children, custody, adoption, community property, and juvenile law.

340 Criminal Law Practice and Procedure. (3) A. Formerly LAS 201. Prerequisite: LAS 211 or director's approval. An introduction to criminal law and procedure; criminal law forms and documents, and preparation for criminal litigation using the systems approach.

350 Litigation Practice and Procedure. (3) A. Prerequisite: LAS 211 or director's approval. Paralegal trial preparation including investigation techniques, discovery, disclosure, exhibit preparation, witness preparation, pre-trial motions, evidence, jury instructions, trial assistance, and appeals, emphasizing the systems approach.

360 Municipal Law. (3) A. Prerequisite: LAS 211 or director's approval. Practical legal problems confronting municipal officials including: government and public official liability, ordinances, tax levies, bonding, zoning, soliciting, licensing, open meetings, personnel, cut-back management, and other issues.

370 Corporations and Business Organization Practice. (3) A. Prerequisite: LAS 211 or director's approval. Documents, forms, and procedures essential to the corporate paralegal. Development of skills concerning business formations, incorporation, corporate finance, employees, corporate operation, securities, regulatory compliance, merger, acquisitions, sales, and terminations.

380 Administrative Agency Practice. (3) A. Prerequisite: LAS 211 or director's approval. Practical paralegal skill development in administrative law and procedure. Forms, documents, pleadings, and techniques for administrative regulatory compliance; case processing; informal and formal administrative advocacy, emphasizing the systems approach.

390 Probate Practice and Procedure. (3) A. Prerequisite: LAS 211 or director's approval. Paralegal probate practice including initial steps, asset accumulation, debt management, court procedure, estate-related tax issues and forms. A systems approach will be emphasized.

392 Estate Planning and Procedure. (3) A. Prerequisite: LAS 390 or director's approval. The study of law, forms, documents, and procedures essential to the paralegal involved in the drafting of wills, trusts, and estate plans. The systems approach will be emphasized.

399 Paralegal Internship. (4) A. Prerequisite: LAS 301 and/or director's approval of brief written application filed one semester before enrolling. Supervised work experience as paralegal in a law office, requiring periodic progress reports and a final paper. Graded Pass-Fail.

401 Paralegal Seminar. (3) A. Prerequisite: LAS 399. Intensive study of selected problems in paralegal studies. Emphasis will be placed on problems and interests developing from the students internship experience.

490 Independent Study of Law. (1-3) A. Prerequisite: director's approval. Individual research, skill development, and study in an area of law or paralegal practice. Student must have independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken for a maximum of 6 hours.

DEPARTMENT OF

Psychology

Adams, R., Chair; Enzie, S. Falkenberg, V. Falkenberg, Hindman, Illback, Lee, Peoples, Riggs, Rottersman, Shuntich, Sigelman, Watkins.

The Department offers programs of instruction leading to a degree in psychology (teaching or non-teaching). Students with a degree in psychology have found positions in a wide variety of careers in professional psychology, research, government services, industry, and teaching. A degree in psychology also prepares students for advanced study in graduate school.

Requirements for the major or minor are designed to allow some flexibility so that each student may emphasize those areas best suited to his needs, interests, and goals. The following programs are offered:

Psychology

MAJOR, BACHELOR OF SCIENCE

Major Requirements . . . . . 33 hours
PSY 201, 202, 291, 301. One of the following: PSY 300, 305,

308, 312, 314, 404. One of the following: PSY 302, 319, 402, 405, 406, 490. One of the following to be taken with the laboratory option: PSY 311, 313, 315. Psychology electives: Any 9 hours in psychology.

Supporting Course Requirements ..... **0 hours**

General Education Requirements..... **55 hours**

Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **40 hours**

Total Curriculum Requirements ..... **128 hours**

Psychology (Teaching)

MAJOR, BACHELOR OF SCIENCE

Major Requirements..... **33 hours**

PSY 201, 202, 291, 301. One of the following: PSY 300, 305, 308, 312, 314, 404. One of the following: PSY 302, 319, 402, 405, 406, 490. One of the following to be taken with the laboratory option: PSY 311, 313, 315. Psychology electives: Any 9 hours in psychology.

Supporting Course Requirements ..... **28 hours**

EDF 102, 202, 317, EPY 318, ESE 449, 498, 499

Minor..... **21 hours**

A 21-hour teaching minor or a second major is required. A social science minor or second major is recommended.

General Education Requirements..... **55 hours**

Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... **128 hours***

*Careful selection of minor courses is required to stay within the 128 hours total.

MINOR IN PSYCHOLOGY

Requirements for a minor are two of the courses (PSY 201, 202, 291) plus electives in psychology to total 18 hours, or 21 hours for a teaching minor.

SECOND MAJOR IN PSYCHOLOGY

Specific courses and minimum total hours required are the same for a first or a second major in psychology.

GRADUATE PROGRAMS

The Department of Psychology offers the Master of Science degree in clinical or school psychology, and the Master of Arts degree in general psychology. Degree and admission requirements may be found in the Social and Behavioral Sciences section of the Graduate Catalog. Students earning the M.S. in clinical psychology are prepared for positions as therapists in settings such as mental health (comprehensive care) centers and state hospitals. Students earning the M.S. in school psychology are prepared for certification and provision of a wide range of services in schools and school-related settings. Students earning the MA in general psychology are prepared for research and teaching positions, and students from any of the programs often continue to the doctoral degree at other institutions.

The Department also cooperates with the College of Education in offering course work for a Master of Arts in Education with an option in psychology. Requirements for this degree may be found in the College of Education section of the Graduate Catalog.

Course Descriptions

PSY—Psychology

201 Psychology as a Natural Science. (3) I, II. Formerly part of PSY 211. Introduction to the basic concepts of psychology closely related to the natural sciences, such as basic methodology, psychophysiology, sensation, perception, consciousness, learning, memory, cognitive processes, motivation, and emotion.

202 Psychology as a Social Science. (3) I, II. Formerly part of PSY 211. Introduction to concepts of psychology related to the social sciences, such as human development, learning, individual differences, personality development, adjustment, abnormal behavior, psychotherapy, social psychology, and applied psychology.

210 Psychology of Adjustment. (3) A. Designed for the person with little or no previous training in psychology, describing the origins of and possible ways of dealing with typical adjustment problems of childhood, adolescence, marriage, parenting, careers, and old age.

291 Psychology: Statistical-Experimental I. (4) I, II. Prerequisite: PSY 201 or 202 or instructor approval. Introduction to techniques and problems of the experimental method and statistical analysis in psychology. Representative experiments and data analysis.

300 Social Psychology. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Study of contemporary institutions and problems such as prejudice, affection and love, altruism, aggression, and small group behavior. Contemporary theory and research are included.

301 Psychology: Statistical-Experimental II. (4) A. Prerequisite: PSY 291. Continuation of PSY 291.

302 Tests and Measurements. (3) A. Prerequisite: PSY 201 or 202 or instructor approval: Principles of measurement with application to informal and standardized tests used in education, business, industry, and government. Problems of administration, scoring, and appraisal are considered.

305 Psychology of Personality. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Basic approaches to the study of personality. Theory and fact upon which these approaches are related to various kinds of behavior patterns.

308 Abnormal Psychology. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Descriptive study of the nature, course classification and prevalence of abnormal behavior, with attention to intellectual, personality, cognitive, sensory and motor functions.

311 Physiology Psychology. (3-4) A. Prerequisite: PSY 291 or instructor approval. Facts, concepts and principles regarding physiological events that underlie behavior. Attention to contemporary research methods and problems undergoing study. 3 Lec/2 Lab for those students electing the four-credit option.

312 Developmental Psychology I. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Theoretical and empirical approaches to the development of the infant and child with attention to perceptual, behavioral, social, and cognitive development and the capacity for learning.

313 Learning. (3-4) A. Prerequisite: PSY 291. Experimental study of learning, transfer and retention processes with an analysis of various kinds of learning. 3 Lec/2 Lab required for students electing the four credit option.

314 Developmental Psychology II. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Developmental study with emphasis on changes during adolescence, adulthood, aging and senescence.

315 Sensation and Perception. (3-4) A. Prerequisite: PSY 291. Experimental study of sensation and perception, the sensory and cognitive processes by which man knows his world. 3 Lec/2 Lab required for students electing the four credit option.

319 Organizational Psychology. (3). A. Prerequisite: PSY 201 or 202 or instructor approval. Human factors in the organizational patterning of business, industry, hospitals, churches, and other cultural institutions.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to 8 hours credit per semester or summer. Total hours: 8, associate; 16, baccalaureate. A minimum of 80 hours employment required for each semester hour credit. Credit not applicable toward major or minor. Graded Pass-Fail.

397 Topics in Psychology. _____. (3) A. Prerequisite: to be announced. Selected topics for study. Variable topics across semesters in terms of student interest and available faculty. May be retaken, provided the subject matter differs each time.

402 Industrial Psychology. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Methods and principles of psychology as applied to business and industry. Emphasis is on employee selection, classification, training and evaluation.

404 Motivation and Emotion. (3) A. Prerequisite: PSY 291 or instructor approval. Study of biological and learned variables in motivated behavior including reflexes, instincts, imprinting, emotion, cognitive and other neurophysiological phenomena.

405 Psychological Interviewing and Reporting. (3) A. Prerequisite: 12 hours in psychology or instructor approval. Principles and

techniques of interviewing and case reporting, with emphasis on applications in human services and personnel work.

406 Introduction to Behavior Therapy. (3) A. Prerequisite: 12 hours of psychology or approval of instructor. Principles and techniques of applying behavioral principles in the analysis of complex human behavior. Emphasis is placed on methods of observing behavior and analyzing functional relationships between behavior and environment.

407 Problems in Psychology. (1-3) I, II. Prerequisite: PSY 291 and approval of independent study proposal by faculty supervisor and departmental chair prior to enrollment. Results must be presented in a formal paper. May be retaken for total of 6 hours credit, provided different problems are studied.

490 Clinical Psychology. (3) A. Prerequisite: PSY 305 or instructor approval. Survey of clinical theories, methods and approaches.

501 Theories of Learning. (3) A. Prerequisite: PSY 291 or instructor approval. In-depth study of learning theories. Emphasis on contemporary developments and current research.

597 Advanced Topics in Psychology: _____. (3) A. Prerequisite: PSY 201 or 202 and instructor approval. Selected topics for advanced study. Topics vary across semesters depending on student interest and available faculty. May be retaken, provided the subject matter differs each time.

GRADUATE COURSES

602 Seminar in Developmental Psychology (3) A.
620 Statistics and Research Design. (3) A.
622 Personality Development. (3) A.
624 Intellectual Assessment. (3) A.
625 Personality Assessment. (3) A.
626 Professional Concerns. (1) A.
629 Analysis of Behavior. (3) A.
641 Seminar in Abnormal Behavior. (3) A.
643 Practicum. (4) A.
646 Advanced Behavior Therapy. (3) A.
648 Introduction to School Psychology (3) A.
650 Psychotherapy and Behavior Change I. (3) A.
653 Psychophysiology. (3) A.
660 Psychotherapy and Behavior Change II. (3) A.
662 Research in Professional Psychology. (3) A.
665 Psychological Consultation. (3) A.
669 Community Psychology. (3) A.
670 Seminar in Special Intervention Procedures. (2) A.
680 Child Clinical Psychology. (3) A.
687 Independent Work in Psychology. (1-3) A.
690 Thesis Research. (1-6) A.
698 Internship in School Psychology. (10) A.
699 Internship in Clinical Psychology. (10) A.

DEPARTMENT OF

SOCIAL SCIENCE

Stebbins, K. A. Chair; Barlow, Biesinger, Campbell, Chase, Everman, Johnson, L. M. Lewis, R. Lewis, McCord, Mylum, Nelson, Nichols, Nyerges, Orchard, Roberts, Roitman, Stone, Taylor, Tolar, Tunnell, Webb.

The primary objective of the General Studies Social Science program is to help students understand the rapidly changing contemporary world. In a sequence of four courses, the program surveys human activities over the last three million years, emphasizing developments since the Industrial Revolution. By surveying the past, students acquire a long-range historical perspective and realize that many of mankind's present-day problems and most material benefits are outgrowths of the Industrial Revolution. The GSS program is interdisciplinary; students learn to interpret the present by integrating terms and concepts from various social sciences into an historical framework.

In surveying the last three million years, students analyze the three stages of mankind's cultural development, that is, the progression from a hunting to an agrarian and then to an industrial way of life. They examine when and how these great transformations occurred. The limitations and opportunities of mankind at each stage and the significant differences in the three culture patterns are studied. Through this approach, students become aware that many of the Industrial world's problems originated in preindustrial times and that some of the problems result from an attempt to adapt preindustrial ideas and institutions to an industrial way of life. Only when students understand these three stages of cultural change, can they develop the long-range historical perspective essential for understanding the present.

The program focuses on the experience of mankind in its entirety, not on one isolated period of time or on one country or region. This helps students develop the global perspective necessary for living and functioning effectively in an increasingly interdependent world.

Course Descriptions

GSS—Social Science

142 Introduction to Social Science. (3) I, II. Focuses on the emergence of mankind, the development of culture, and the causes of cultural change. Analyzes hunting societies in prehistoric times, the Agricultural Revolution, and the emergence of the first civilizations.

246 Preindustrial World Civilizations. (3) I, II. Analyzes the culture pattern of agrarian civilizations by examining societies in India, China, the Middle East, and Europe. Explores why industrialism developed first in Europe. Credit not granted for both GSS 246 and HIS 231.

247 Industrialism in World Civilizations. (3) I, II. Investigates the Industrial Revolution and its spread in the 19th Century. Analyzes the pattern of industrialism in the 20th Century and the emerging global crisis. Credit not granted for both GSS 247 and HIS 232.

250 Ideologies and Institutions of Contemporary Society (3). A. Analyzes the major ideologies and institutions of the 20th Century, such as liberalism, socialism, and nationalism. Examines American and Soviet economic and political systems and their relationships.

280 Topics in Social Science. (1) A. Prerequisites: 3 hours social or behavioral science. Explores one contemporary global issue including its historical background, present status, and likely future development. May be retaken for maximum of 3 hours if topics are different.

300 The Human Problems in the 20th Century. (3) I, II. Examines global issues which affect both Industrial and Third World nations today, such as the population explosion, the energy crisis, and the arms race. Emphasizes student discussion based on framework developed in previous GSS courses.

THE GRADUATE SCHOOL

CHARLES H. GIBSON, Dean

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DEGREES AND PROGRAMS

The Graduate School, in cooperation with the College of Applied Arts and Technology, the College of Arts and Humanities, the College of Business, the College of Education, the College of Health, Physical Education, Recreation and Athletics, the College of Law Enforcement, the College of Natural and Mathematical Sciences, and the College of Social and Behavioral Sciences, offers the following degree programs and options:

College of Applied Arts and Technology
- Master of Science degree
  - Community Nutrition
  - Industrial Education (3 options)
  - Industrial Technology
- Specialist in Technology degree

College of Arts and Humanities
- Master of Arts degree
  - English
  - French
  - Spanish
- Master of Music degree
  - with options in:
  - choral conducting, performance, and theory/composition

College of Business
- Master of Business Administration degree
  - with options in:
  - accounting, computer information systems, economics, finance, management, marketing, and real estate

College of Education
- Master of Arts in Education degree
  - Communication Disorders
  - Counseling
    - with options in:
    - elementary and secondary
  - Elementary Education
    - with options in:
    - early childhood, gifted/talented, and reading
  - Library Science Education
  - School Psychometry
  - Secondary Education
    - with options in:
    - agriculture education, allied health sciences, art, biological sciences, business education, chemistry, earth science, English, French, general science, geography, gifted/talented, history, home economics, industrial education, mathematical science, music, physical education, physics, political science, psychology, reading, school health, sociology, and Spanish
  - Special Education
    - with options in:
    - hearing impaired, learning and behavior disorders, and trainable mentally handicapped
- Master of Arts degree
  - Industrial and Community Services
    - with options in:
    - rehabilitation counseling
  - Student Personnel Services in Higher Education
- Master of Music Education degree
- Specialist in Education degree
  - Educational Administration and Supervision
  - Elementary Education
  - Physical Education
  - School Counseling
  - Special Education
  - Student Personnel Services in Higher Education
- Fifth and Sixth Year Certification for Teachers and School Service Personnel
  - Directors of Pupil Personnel
  - Elementary and Secondary Principles
  - School Business Administrators
  - School Media Librarian
  - School Psychometry
  - Superintendents
  - Supervisors
  - Teacher Certification
- Joint Doctoral Program in Education
- (Joint Ed.D. programs are offered cooperatively with the University of Kentucky.)

College of Health, Physical Education, Recreation and Athletics
- Master of Science degree
  - Physical Education
    - with option in:
    - sports administration
  - Recreation and Park Administration

College of Law Enforcement
- Master of Science degree
  - Criminal Justice
    - with options in:
    - adult corrections, criminal justice education, juvenile justice, and police administration
- Joint Doctoral Program
- (Joint Ed.D. program in Criminal Justice Education is offered cooperatively with the University of Kentucky.)

College of Natural and Mathematical Sciences
Master of Science degree
Biological Sciences
with option in:
applied ecology
Chemistry
Geology
with options in:
hydrogeology, mining, and petroleum
Mathematical Sciences
Physics
Joint Doctoral Program
(Joint Ph.D. program in Biological Sciences is offered cooperatively with the University of Kentucky.)

College of Social and Behavioral Sciences
Master of Arts degree
General Psychology
Geography
with options in:
community development and planning
History
Political Science
Sociology
with option in:
community development
Master of Science degree
Clinical Psychology
School Psychology
Master of Public Administration degree
with options in:
community development, community health administration, and court administration

APPLICATION TO THE GRADUATE SCHOOL

Admission to the Graduate School at Eastern Kentucky University is based upon evidence that the applicant has already attained a certain minimal academic proficiency and will be able to pursue creditably a program of graduate study in a given field. Applicants must assume responsibility for filing complete admission data with the Office of the Graduate School including the following materials:

Application Form — Each student must submit a completed, signed application form with all requested information provided. Forms are available upon request from the Graduate School. There is no application fee.

Transcripts — Two *official* copies of transcripts of all previous college/university credits showing all grades received and any degrees or certificates that have been awarded must be provided by each applicant. An official transcript must bear the seal and signature of the registrar from the sending institution. Graduates from all schools other than Eastern Kentucky University should contact their registrar(s) and request that official copies of their transcripts be forwarded directly to the Graduate School. Students seeking admission must be graduates of a fully accredited four year institution of higher learning authorized to grant the baccalaureate degree. *The University minimum undergraduate grade point ratio acceptable for admission to a degree program is 2.4 overall (4.0 = A).*

Graduate Record Examination — All applicants for admission to degree programs (except MBA) must submit satisfactory *official* score reports from the aptitude section of the Graduate Record Examination (GRE) at the time of application for admission to graduate studies. Certain domestic students who have not hada prior opportunity to take the GRE may be admitted conditionally for one semester provided they take the test during their initial semester as a graduate student. Some programs require area scores in the subject field in addition to the aptitude section of the exam. Students who are applying for a Master of Business Administration degree must provide *official* scores on the Graduate Management Admission Test (GMAT). Applications to take these exams must be sent to Educational Testing Service, Box 955, Princeton, New Jersey 08540. Application forms are available in the Graduate School office. It is the student's responsibility to apply for and take the examination(s) and to have the official scores sent to the Dean of the Graduate School, Eastern Kentucky University, Richmond, KY 40475-0931.

Letters of Recommendation — Applicants for degree programs who have graduated from a college other than Eastern should solicit three letters of recommendation from previous teachers and request that they be mailed to the Graduate School office as soon as possible. Applicants for assistantships cannot be considered until letters are on file and certain programs will withhold admission until letters have been received. Please refer to program areas for specific requirements regarding letters of recommendation.

TYPES OF ADMISSION

Domestic students may be admitted to graduate study in any one of several categories:

Unconditionally — Students who meet the requirements for both general admission to graduate study and for a particular program.

Conditionally — Students who meet certain requirements for admission to graduate study, but fail to satisfy one or more special requirements for admission to a particular program. These students may be classified temporarily as non-degree students.

Non-Degree — Students who do not meet general degree requirements or who do not wish to work toward a degree program but may wish to use the graduate hours for personal or certification renewal purposes. *Non-degree students must hold a baccalaureate degree from an accredited institution and must hold a baccalaureate degree from an accredited institution and must have a minimum overall undergraduate g.p.a. of 2.0 (4.0 = A).*

Visiting Student — Because of its unique programs and facilities, faculty, diversified institutes and workshops, Eastern is attractive to many students *who have been previously admitted to other accredited graduate schools.* In order for Eastern to officially enroll a visiting student for graduate credit, the student must file an application form and submit an official Visiting Student Certificate. The Visiting Student Certificate must bear the signature and seal of the graduate dean of the graduate school where the student has been admitted. Copies of the visiting student forms may be obtained from the Graduate School office.

Undergraduate Admission — An Eastern undergraduate student who needs not more than nine semester hour sin one semester (or three semester hours in one summer session) to complete all of the requirements of a baccalaureate degree may be allowed to register for graduate credit work under the conditions described below.

All work for undergraduate credit will be completed during that semester or summer session.

The total registration for all work will not exceed 12 semester hours in a semester (or six semester hours in a summer session).

All work to be counted for graduate credit must be approved *in advance of registration* by the graduate program advisor, the student's undergraduate college dean, and the Dean of the Graduate School. Approval forms should be shown at the time the graduate class cards are picked up and again at the time payment is made at the fee calculation station during registration. Approval Forms for Undergraduate/Graduate Concurrent Enrollment may be obtained from the Graduate School office. The student must make application to the Graduate School and meet all pertinent conditions for admission. Graduate credits earned must not be used to meet undergraduate requirements.

INTERNATIONAL STUDENT ADMISSION

International students who meet specific program requirements and for whom Eastern has appropriate programs at the graduate level are invited to make application. Such applications must be supported by satisfactory evidence of their qualifications to pursue a full course of study at this institution. Applications for admission of international students are not considered complete without official transcripts showing grades and degree(s) awarded, *official* Test of English as a Foreign Language (TOEFL) scores, *official* scores of the verbal and quantitative portions of the Graduate Record Examination (GRE), Declaration and Certification of Finances and three letters of recommendation. Students who are applying for a Master of Business Administration program must provide *official* scores on the Graduate Management Admission Test (GMAT). Each of these examinations is given in a large number of centers throughout the world. Specific information on center locations, test dates, fees, and application materials should be requested from Educational Testing Service, Box 955, Princeton, N. J. 08540, U.S.A.

International students should apply several months in advance of their expected attendance date. Appropriate I-20 or DSP-66 forms will be issued after all official credentials have been received and the completed application has been reviewed and approved by the major department. The U.S. Immigration and Naturalization Service requires certification that all standards for admission have been met *before* the I-20 form is issued. International students are required to complete their admissions procedures at least 30 days prior to the term in which they expect to enter.

GENERAL INFORMATION

Eligibility for admission to the Graduate School does not insure admission to a specific graduate program. Some programs may have additional requirements beyond the university minimums. All students who intend to pursue a particular graduate program should refer to the specific program requirements listed in the college and/or department section of this Catalog.

All programs assume certain formal and informal prerequisites. Normally any deficiencies in preparation must be resolved during the first enrollment.

No student may receive graduate credit for a course without admission to the Graduate School.

The Graduate School reserves the right to withdraw without credit or refund any student for whom application is incomplete at the end of the first enrollment.

Student Responsibilities

It is the student's responsibility to become familiar with all regulations and procedures required by the graduate program being pursued. In no case should a student expect waiver or exception to published program requirements by pleading ignorance to the regulation or asserting that an advisor or other authority did not directly present the information. All students should become familiar with the general academic information section of the Graduate Catalog and the specific college/departmental program requirements. Only the Graduate Council has the authority to waiver the basic requirements stated in this Catalog. No statements made by any person regarding waiver of admission/program requirements shall in anyway bind the Graduate Council.

Program Planning

After receiving notification of admission to the Graduate School and of the appointment of an advisor or graduate committee, the student should take the initiative to contact the advisor and discuss his objectives carefully. This conference should take place after the student has become familiar with program purposes and pertinent regulations as they are described in the Catalog and *before* registration. When prior conferencing is not possible, the student may obtain approval for the first semester's work in writing or on registration day. However, *the complete program should be developed during the first semester of enrollment. Students will not be permitted to enroll in any of the last 18 hours of a degree program if their candidacies have not been approved.*

REGISTRATION

Graduate students should register on the dates stipulated in the University calendar. Registration packets should be obtained from the office of the Graduate School. The advisor should approve and initial the Registrar's Schedule Card. The advisor and student bear responsibility for courses scheduled, subject to the policies and approval of the Graduate School. The student is responsible for clearance of motor vehicle, housing arrangements, and payments of all fees and assessments in accordance with prevailing University policy.

Students with interruptions of study on campus who wish to participate in registration should notify the Graduate School of their plans to continue study, furnishing full names and Social Security numbers, *at least two weeks in advance of the published registration dates.*

Pre-Registration*

Graduate students in good standing and new students admitted to their programs have the opportunity to pre-register for the fall semester and spring semester. Registration materials may be picked up in the office of the Graduate School and classes selected in conferences with the advisor on the following schedule (approximate):

Fall Semester ..... Mid-April
Spring Semester ..... Early-December

Students with interruptions of study on campus who wish to participate in pre-registration should notify the Graduate School of their plans to continue study, furnishing full names and Social Security numbers *at least two weeks in advance of the times specified above.* Full-time students should watch FYI, Eastern Progress, and bulletin boards for dates on registration.

A prerequisite to pre-registration is pre-advisement. The Graduate School reserves the right to suspend or alter registration orders not in consonnance with the individual's planned program or in the instance of closed or cancelled sections. Program modifications necessitated by pre-registration should be accomplished through the regular drop-add procedure on the dates designated.

*The University may change to a computer assisted registration during 1983. In that event, advising and pre-registration procedures and dates may be changed.

Change of Schedule

The University reserves the right to cancel a course when the registration is not sufficient to warrant its continuance, to divide classes if the enrollment is too large for efficient instruction, and to change instructors when necessary. Additional courses will be organized if the demand is sufficient.

Withdrawal From The University

Students who find it necessary to leave the University under any conditions must obtain and complete an official Withdrawal Card from the Office of Student Affairs. Students not officially withdrawing shall receive grades of "F" for the semester's course load.

ACADEMIC LOAD

A *maximum* academic load of 15 hours is considered permissible during the regular fall or spring semester for exceptional graduate students. Graduate assistants are permitted to carry a maximum course load of 12 hours. During the summer session, nine hours are considered maximum. Various combinations of workshops, short term courses, and regular summer courses are permissible provided the total contact hours during any single instructional day does not exceed four instructional hours. Any exceptions to maximum load limits stated must be made by the Dean of the Graduate School. Maximum hour limitation includes *all* courses taken — whether they are on campus, off-campus, graduate, undergraduate, or audit credit.

A *minimum* academic load of six semester hours of credit

shall be regarded as full-time during an eight week summer term and a minimum of nine hours of such credit shall be regarded as a full academic load during a regular fall or spring semester.

During any regular fall or spring semester, an academic load of six graduate hours is considered the maximum permissible for any student who is employed on a full-time basis during that semester. Any graduate student found to be in violation of this policy will not be permitted to use any credits beyond the six hours limitation toward fulfillment of any program or degree requirements at Eastern Kentucky University.

Transfer Of Credit

Candidates for the master's and specialist's degrees are restricted to a maximum of nine semester hours of credit by transfer of work completed at another accredited graduate institution. Official copies of transcripts must be submitted and evaluated before any transfer credit can be accepted. Certain courses submitted for transfer may not be considered equivalent to specified program requirements even though course titles are the same. Official requests for transfer of credits must be recommended by the student's advisor, the department chair, and approved by the Graduate School. Students who expect to transfer credits to meet program requirements at EKU should obtain official approval *prior* to registration for transfer courses. Official transcripts of approved transfer credits must be submitted to the Graduate School at least 2 weeks prior to program completion. Transfer credits taken during the final semester of a program will delay graduation and certification approval until official transcripts have been received in the Graduate School office.

Credits earned at other institutions may be transferred only when grades of "B" or better have been earned.

Graduate Course Credit

Courses numbered in the 500 series are open to seniors and graduate students who meet course and program prerequisites. *Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates.* Courses numbered in the 600 series are open only to graduate students.

Correspondence courses from any source are not applicable for graduate credit.

Graduate level courses are expected to require a *minimum* of four hours of outside preparation for every hour of lecture. Course syllabi are to reflect these expectations. At the graduate level, the minimum expectation is for the average graduate student to earn a grade of "B."

A grade of "I" shall be assigned if in the opinion of the instructor the student has been unable to complete the course on time because of unavoidable conditions. An "I" must be made complete within one month after the student reenters the University. Otherwise, a grade of "F" is assigned. If the student fails to reenter the University within one year, an "I" becomes an "F."

DEGREE COMPLETION REQUIREMENTS

Admission To Candidacy

Graduate students must be admitted to candidacy to be considered eligible for the master's degree. All qualified degree-seeking students should initiate candidacy proceedings through their advisors during their first semester of graduate enrollment. A complete plan of studies for the program shall be devised, recommended by the advisor, and filed with the committee chair, department and/or college, and submitted to the Dean of the Graduate School for approval. Subsequent changes to the candidacy form may be permissible but must be approved on the appropriate form by these parties.

All conditions for admission to the Graduate School and any prerequisites must have been satisfied before the candidacy application may be approved. Graduate Record Examination scores for the combined aptitude tests and the department requirements for advanced tests shall have been satisfactorily met. Master of Business Administration (MBA) candidates must have satisfactorily completed the Graduate Management Admissions Test. No student shall become an approved candidate without a minimum graduate grade point standing of 3.0. No graduate credit shall be granted for a grade below "C." Students may repeat a course to improve standing only with explicit permission of their advisor and the Dean of the Graduate School.

When the candidacy is approved, the student is notified that he is a candidate for the degree program. After becoming a candidate, students are eligible to file applications for graduation. Applications for graduation must be received in the Graduate School prior to the semester in which the program completion is expected. Graduation application forms are available upon request from the Graduate School office. Refer to the following section for complete details concerning applications for graduation.

Students should note that it is their responsibility to initiate candidacy proceedings through their advisors as soon as they have enrolled in their first graduate classes. *If they fail to exercise this responsibility prior to completion of the first 12 hours of graduate coursework, they may not re-enroll until candidacy proceedings have been completed. Students will not be permitted to enroll in any of the last 18 hours of a degree program if a candidacy has not been approved.* Admission to candidacy must be completed *prior* to scheduling of the comprehensive examinations.

Application For Master's Or Specialist Degree

A student planning to receive the master's or specialist's degree in May should apply before the end of the preceding fall semester. Candidates for the August Commencement should apply not later than the beginning of the spring semester. Applications should be filed in the office of the Graduate School. Fees are to be paid at the Business Office and receipts presented in the office of the Graduate School at the time the applications are filed. *Applications received after the published deadlines will automatically be changed to the next graduation list.*

Students will be considered candidates for graduation only if they have an overall graduate gradepoint average of 3.0 or higher at the inception of the term prior to their scheduled commencement.

Language Requirements

In graduate programs requiring competence in a foreign language, the requirement may be met in one of three ways: 1. 12 hours of college credit in an appropriate language may be accepted. 2. a reading examination may be taken covering material appropriate to the discipline. 3. achievement of a grade of "B" in a designated course will be accepted as meeting the requirement.

Students must satisfy the language requirement prior to scheduling of the comprehensive examinations. Certain programs may require statistical competences in lieu of a foreign language requirement.

Time Requirements

A graduate student is expected to complete requirements for the master's degree no later than five years after beginning course work. The minimum time interval required for completion of a graduate degree shall be two semesters of full-time study.

Minimum Hours Required

All master's degree programs and specialist's degree programs require a minimum of 30 semester hours each. Some programs require additional hours that exceed this minimum.

At least half the course work required for a master's degree program must be satisfied with courses open only to graduate students (600 level). All credit applied to the Ed.S. degree must be in courses numbering 600 and above.

Master's Thesis Or Specialist's Project

Students who submit a thesis in partial fulfillment of the master's or specialist's degree must prepare it in conformity with the regulations approved by the Graduate Council. Two approval pages bearing original signatures of the graduate committee must be included with two typewritten, clear, unbound copies of the thesis and presented to the Graduate School office at least *two* weeks prior to Summer Commencement and *three* weeks prior to the end of the Fall and Spring Semesters. These two copies are bound and become the property of the University Library. If any additional bound copies are desired by the student or the department, they should be presented directly to the Library or a commercial bindery.

Theses must be on paper of at least 50 per cent rag or cotton fiber content and must be in a form acceptable to the Graduate School. Instructions for the preparation of theses should be obtained from th Graduate Office *before* the thesis is typed.

Theses must be developed under the direction of a member of the Graduate Faculty.

Comprehensive Examination(s)

All candidates shall perform satisfactorily on a written and/or oral examination of the contents of their program of studies. In some instances, the defense of the thesis shall suffice. Particulars are specified by program. Comprehensives are not to be given prior to admission to candidacy. Comprehensives are scheduled *after application for the degree has been filed* and evidence exists indicating that the student should complete all degree requirements during the term in question. Committee chairs should file the Schedule of Oral/Comprehensive Examination in the Graduate School office with copies to the student and committee members at least *two weeks prior to the examination.*

Committee chairs shall certify satisfactory completion of the comprehensives to the Dean of the Graduate School no later than ten days in advance of Commencement.

A review period of not less than 60 days nor more than one year is required of candidates who fail the comprehensive initially.

Additional courses or thesis work may be required of a failing student. Comprehensive exams may not be retaken more than once for the master's or specialist's degrees.

SECOND MASTER'S DEGREE REQUIREMENTS

Students desiring to pursue a second master's degree at Eastern Kentucky University shall have completed all requirements for the first master's degree at Eastern or other accredited university. In general, the same basic requirements for general admission, admission to candidacy, and other conditions previously stated in this catalog relative to the first master's degree are also applicable to the second degree with the following exceptions:

1. A maximum of 12 semester hours of completed graduate work from the first master's degree may be applied toward the second degree if such courses are appropriate for the second program and are approved.

2. If the second master's degree involves certification (e.g., the Master of Arts in Education degree), all requirements for the certificate must be met prior to the completion of the degree.

Candidates for a second master's degree should file application for admission to graduate school and identify their second program prior to registration for additional coursework. The student should then contact the assigned advisor from the department offering the second program and plan a complete program of studies. Individual programs have specific requirements which must be met before pursuing a second master's degree. Normally, any deficiencies in preparation for a second master's degree must be resolved during the first enrollment.

SPECIALIST DEGREE REQUIREMENTS

The University offers advanced graduate work leading to the Specialist's degree. Beginning graduate students interested in two-year programs with special preparation for teaching or professional service opportunities in post-secondary technical schools, junior or senior colleges should seek early advisement in order to assure proper program development.

Candidates for specialist degrees must possess an overall undergraduate grade point average of at least 2.5.

Candidates for specialist degree status must offer an overall graduate grade point average of 3.3.

Prior to admission to candidacy for the Specialist's degree, the student must present a score on the combined aptitude tests of the Graduate Record Examination at the level of the 65th percentile, a value derived from scores achieved by Eastern seniors within programs.

Students should refer to the appropriate college/department section for specific admission and program requirements.

Eighteen hours of course work must be completed prior to graduation after admission to candidacy for the degree.

JOINT DOCTORAL PROGRAMS

Eastern Kentucky University, in cooperation with the University of Kentucky, offers joint doctoral programs in education, criminal justice education, and biological sciences. Qualified graduate students who have completed their master's programs at Eastern have an opportunity to continue with a joint doctoral program in these three areas. The final doctoral degree is awarded by the University of Kentucky.

Admission to the program is considered by a joint screening committee selected from faculty representing the two institutions.

The candidate may continue in residence at Eastern Kentucky University for one school year, completing a maximum of 30 semester hours beyond the master's degree prior to transfer to the University of Kentucky.

Throughout the program term, the student shall be enrolled in both schools but will pay fees only to the resident University.

CATALOG APPLICABLE

A student will be governed by the catalog in force during the school year in which he is officially admitted to a graduate program unless he interrupts resident status at this institution for more than one calendar year, in which case he comes under the requirements of the catalog in force at the time of readmission. A student may elect to comply with the catalog currently in force. Exceptions to this policy must be approved by the Dean of the Graduate School.

OFFICE OF COMMUNITY COLLEGE PROGRAMS

JACK A. LUY, Dean

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GENERAL INFORMATION

The Office of Community College Programs has been established as a major division within Eastern Kentucky University in recognition of the growing importance of providing trained people with the specific skills and education which require less than four years of training. During recent years, an increasing percentage of the work force has been found in technical, semiprofessional, and service oriented jobs. Preparation for many of the jobs in these categories requires the skills and knowledge which may be attained through at least two years of college. Many young people and adults who wish to prepare for these job opportunities are now enrolling in two-year college programs such as those provided by Eastern Kentucky University.

The Office of Community College Programs might be referred to as Eastern Kentucky University's door to "opportunity," for one purpose is to extend educational opportunities to students. It assures one of high quality education at reasonable costs in order to assist an individual to attain the knowledge and skills needed for productive and rewarding employment in a minimum of time.

Included among the services and educational opportunities offered through the Office of Community College Programs are:

Information about all two-year programs offered by Eastern Kentucky University.

Guidance for students or prospective students in selecting a program of study.

Clearinghouse for information on new or proposed programs.

Coordination for transfer of students from Kentucky community and junior colleges.

In cooperation with the respective colleges of Eastern Kentucky University, the following programs of study are offered. Additional programs are being considered and may be available when a student is ready to enter college.

ASSOCIATE DEGREE PROGRAMS OF STUDY

COLLEGE OF ALLIED HEALTH AND NURSING

Department of Associate Degree Nursing
- Nursing (RN)

Department of Emergency Medical Care
- Emergency Medical Technician

Department of Health Record Science
- Health Record Technology

Department of Medical Assisting Technology
- Medical Assisting Technology

Department of Medical Technology
- Medical Laboratory Technician

COLLEGE OF APPLIED ARTS AND TECHNOLOGY

Department of Agriculture
- Agricultural Mechanization
- Beef Herd Management
- Dairy Herd Management
- Floriculture and Floristry
- Ornamental Horticulture
- Turfgrass Management

Department of Home Economics
- Child Care
- Homemaking Supervision
- Interior Design
- Nutrition Care

Department of Industrial Education and Technology
- Broadcast Engineering Technology
- Computer Electronics Technology
- Drafting and Design Technology
- Energy & Electrical Power Technology
- Industrial Electronics Technology
- Printing Technology
- Quality Assurance
- Vocational-Industrial & Technical Education
- Wood Technology

COLLEGE OF BUSINESS

Department of Business Education and Office Administration
- Administrative Office Services
- Executive Secretary
- Legal Secretary
- Medical Secretary

COLLEGE OF HEALTH, PHYSICAL EDUCATION, RECREATION, AND ATHLETICS

Department of Recreation and Park Administration
- Recreation & Park Leadership

COLLEGE OF LAW ENFORCEMENT

Department of Correctional Services
- Correctional Services
- Juvenile Corrections

Department of Fire Prevention and Control
- Fire Prevention and Control

Department of Police Administration
- Criminalistics
- Police Administration

Department of Security
- Business & Industrial Security

COLLEGE OF NATURAL AND MATHEMATICAL SCIENCES

Department of Chemistry
- Chemical Technology

Department of Geology
Geological Engineering Technology

Department of Physics and Astronomy
Science for Engineering (Pre-Engineering)

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

Department of Political Science
Paralegal Studies

PURPOSES AND CHARACTERISTICS OF CURRICULA

The purpose of Eastern's two-year program is to provide high quality instruction in a variety of technical, business, semiprofessional, and service oriented professions. In general, these programs have the following characteristics:

A minimum amount of time is needed for completion of a program. Two years is normally required to complete an Associate Degree. If transferring into a program, many credits already earned may be applicable.

With rare exceptions, programs are structured to allow direct continuation into a four-year curricula with little, if any, "loss" of credit.

Programs provide a blend of general and specialized education.

Programs of study emphasize specific skills and knowledge needed within particular career fields.

Many programs may be pursued on a part-time basis.

Graduates of associate degree programs may continue their education toward a baccalaureate or higher degree.

Programs of study combine academic training with laboratory experiences, observations, and "on-the-job" experiences.

Departments maintain close contact and seek the support and advice of business, industry, and potential employers in each specialized area.

In addition to university-wide loans, scholarships work-study grants, etc., additional or special loans and scholarships may be available for students in specific associate degree programs.

HIGHLIGHTS

Some of the outstanding features of the two-year programs at Eastern Kentucky University are:

Classes and laboratories are taught by outstanding faculty who combine the best professional training with practical experience. The same faculty teach students in associate degree programs that teach students in other college programs.

The University provides libraries, shops, laboratories, and other specialized facilities with the latest equipment for use in instruction.

Outside resource people are brought to the University to lecture and demonstrate the latest equipment, methods, and techniques.

Students enrolled in these programs are an integral part of the total University community and are encouraged to participate in all phases of the University's program — cultural, social, recreational, as well as academic.

5 OFFICE OF PUBLIC SERVICE AND SPECIAL PROGRAMS

WILLIAM E. SEXTON, Vice President

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University-wide coordination of Eastern Kentucky University's historical and continuing commitment to provide institutional resources to meet the varied needs and interests of many publics served by the University is provided through the Office of Public Service and Special Programs. In cooperation with the academic colleges and departments and other administrative divisions of the University, a variety of traditional and nontraditional educational opportunities are made available through the Division of Continuing Education, Division of Special Programs, Division of Television and Radio, Division of Academic Computing Services, Division of Administrative Systems and Programming, Division of Administrative Computer Operations and Quality Control, Division of Natural Areas, University Archives, Oral History Center, A. D. Hummel Planetarium, and J. T. Dorris Museum.

DIVISION OF CONTINUING EDUCATION

Kenneth D. Tunnell, Dean

Institutions of higher education can no longer meet their responsibility by offering only the service provided by the traditional campus programs. Opportunities must be available for groups and individuals who desire additional education but find it impossible, or at least impractical, to participate in the traditional educational activities of the University. This demand on the University is due to such factors as the need for practitioners to keep abreast of the great expansion of knowledge in their field, the desire for people to improve their competence in their present vocation or prepare for a new vocation, and a renewed interest in educational activities brought about by increased leisure time for many people.

Eastern Kentucky University's Division of Continuing Education meets these needs through extended campus classes, correspondence study, and non-traditional programs. For information, please write Dean for Continuing Education, Eastern Kentucky University, Richmond, Kentucky 40475-0951 or call (606) 622-2001.

CORRESPONDENCE STUDY

Eastern Kentucky University, through its Division of Continuing Education, offers a number of regular college and high school correspondence courses which may be taken on a credit or non-credit basis. The college courses may be applied toward a bachelor's degree from Eastern Kentucky University or other institutions of higher education. The high school courses may also be taken on a non-credit basis for other goals such as studying for professional advancement, exploring new interests, or learning new skills.

Correspondence courses cover essentially the same material as the same or similar courses offered on campus. Students prepare assignments and submit them, along with any questions they may have, to their instructor through the Continuing Education Office. The instructor then evaluates the work and returns the evaluation form with his comments. This type of instruction offers an opportunity for the student to be taught on an individual basis. In essence, he has a tutorial type of arrangement which defies distance.

FEES AND ENROLLMENT PROCEDURES

A. Instructional fees, which do not include costs of textbooks and other reference materials, are governed by the following regulations:

1. All fees are payable in advance and are subject to change without notice to the student.
2. Instructional fees for college courses are based upon the number of semester hours of credit given for the course.
3. The instructional fee for high school courses is based upon the one-half unit.

B. Registration for a correspondence course includes the following procedures:

1. Applicants are required to make a separate application for each course on registration forms provided by the institution.
2. College students are to use the four by six inch perforated *pink* registration card and high school students are to use the four by six inch *white* registration card.
3. The registration form must be completed in full by using ink or typewriter. The applicant should check to make sure that the same information is given on the form for the Office of Continuing Education and the form for the Registrar's Office.
4. Send both completed registration forms together with the instruction fee to the Office of Continuing Education, Eastern Kentucky University, Richmond, Kentucky 40475-0951. Do not send forms to the Registrar.

5. Do not fold or bend the registration card except where perforated.

6. Additional registration forms can be obtained by writing to the Office of Continuing Education. Please state whether you desire to enroll for college or high school courses. The Continuing Education Bulletin, which contains a listing of correspondence courses offered and other related information, will also be sent upon request.

EXTENDED CAMPUS PROGRAM

Purposes and Objectives

Eastern Kentucky University strongly holds to the philosophy that there should be a close relationship with the homes, schools, industry, and various community groups of the state with the aim that any citizen may feel free to call upon the University for any assistance which the institution may be able to provide. The extended campus educational program of Eastern is designed to serve students who are unable to enroll in residence or who find it more helpful to work in local groups on certain common problems. More specifically, extended campus educational programs are designed to accomplish one or more of the following purposes:

1. To provide greater opportunities for those who want to increase their knowledge or improve their efficiency and skills while regularly employed.
2. To encourage communities to make effective use of the resources of the University.
3. To assist in acquainting the faculty of the various departments with the educational programs and needs facing the communities served by the University.

NONTRADITIONAL STUDIES

The area of Nontraditional Studies focuses on providing educational services to nontraditional target audiences and providing nontraditional alternative methods for earning college credit. Many adults returning to college are doing so after a prolonged absence from any formal education process and require short programs to reorient them to the academic world before enrolling in their first class. In addition, distance from the campus often prevents people from obtaining necessary courses. Therefore, Nontraditional Studies also coordinates the delivery of instruction via telecommunications.

MEDIA ASSISTED COURSES

Video Telecourses

Eastern offers credit for courses based on a televised series of instructional programs. The course requires little or no traditional class attendance but does require that a student be able to integrate information from two or more instructional mediums in order to successfully complete the course. Written lessons, projects and exams, in addition to viewing the televised programs, are common components of Media Assisted Courses.

Audio Teleconferencing

Short, intensified educational programs can be delivered to students at a distance by utilizing the telephone conference system. Prepared materials are sent to each receiver site in advance of the lecture and are supplemented with a live lecture from the campus via a telephone conference call. As many as ten different sites may be hooked up simultaneously to receive the lecture.

SPECIALIZED OPPORTUNITY PROGRAMS FOR SERVICEMEN AND WOMEN

Eastern Kentucky University has developed special programs to assist in the educational development of one of the most important segments of our society — the membership of the military services. Whether one is entering a service; has served for several years on active duty; is approaching separation; or has applied for retirement, Eastern has a program which will assist in obtaining a college education and preparing for satisfying and rewarding civilian employment.

These programs are specialized in the sense that they allow the service member an opportunity to obtain initial and continuing evaluation of all classroom and field experience, military and civilian, in terms of equivalent academic experience on our campus. They are specialized, also, in the sense that the evaluation will be followed up by advisement on correspondence courses, off-duty classes, equivalency tests, etc., which will best prepare one to complete the requirements for a college degree on the campus with the least amount of time and expense.

Servicemen's Opportunity College

Eastern Kentucky University is a charter member of Servicemen's Opportunity College, a program designed to facilitate wide acceptance among universities of the military and civilian education attained by active duty servicemen and women. Among the features of this program are:

- Liberal college entrance requirements
- Traditional and non-traditional education programs adapted to the needs of servicemen
- Special academic assistance
- Maximum recognition of educational experience obtained in the Armed Services
- Residence or on-campus requirements adaptable to the needs of servicemen and women
- Unlimited transfer of credits among SOC members

A student may enroll at Eastern Kentucky University and immediately obtain college credit for all academic work previously completed at any accredited educational institution. One may also receive credit for military training and for successful completion of several types of tests, including the College Level Examination Program (CLEP).

Eastern Kentucky University is also involved with Bootstrap, a degree completion program for active duty members of the armed services. Bootstrap students may attend the University full-time and receive full pay and allowances while working toward service-approved degrees. G.I. Bill benefits are available during Bootstrap attendance to help meet living and educational expenses.

Discharged Veterans

Eastern Kentucky University has a number of special programs for those who choose to accept discharges from an armed service in order to continue their education on the EKU campus.

Upon request, EKU will evaluate one's military and civilian classroom and field experiences and establish equivalent credit standing for this campus. An advisor will counsel one in the most efficient ways to meet the remaining requirements for completion of a specific degree program. Up to 96 semester hours of transfer and equivalency credit may be applied toward a degree program at Eastern. In addition, one may receive assistance of many kinds from the Veteran Affairs Office on campus. These services range from personal counseling to financial assistance in completing University educational requirements.

Retirees

Persons retiring from a military service typically have obtained a wide range of civilian and military educational experiences. Upon evaluation and testing, one may find that he has gained through equivalency a large portion of the academic credits required in college degree programs. Eastern Kentucky University will evaluate without charge service and academic experience, and will counsel the student regarding the remaining requirements for graduation. For information concerning specialized opportunity programs for servicemen and women, please write Division of Continuing Education, Eastern Kentucky University, Richmond, Kentucky 40475-0951 or call (606) 622-2001.

DIVISION OF
SPECIAL PROGRAMS
Robert B. Leiter, Director

The Division of Special Programs has been established to provide leadership for the planning and implementation of a variety of special activities. This division is responsible for services and programs of a non-credit nature and for the awarding of Continuing Education Units (CEU's) for participation in conferences, short courses, institutes, seminars, workshops, and special interest courses. A CEU is defined as 10 contact hours of participation in an organized continuing education experience under responsible sponsorship, capable direction, and qualified instruction. Among the special activities administered by this division are those described below.

SHORT COURSES, CONFERENCES, WORKSHOPS, SEMINARS, AND INSTITUTES

Eastern Kentucky University is committed to an expanding program of public services in an effort to assist with the many and varied needs for continuing professional education. Many services are provided in order to organize, develop, and implement or sponsor a variety of short courses, conferences, workshops, seminars, and institutes. The activities are normally developed in response to requests from business and professional people and organizations committed or mandated to continue their education. Programs vary in length from a few hours to several days of full-time study. They may be offered on the campus or may be scheduled at other suitable locations throughout the region and state for the convenience of the participants. Many employing agencies and organizations contract with the University for specialized programs for their employees.

SPECIAL INTEREST COURSES

Each semester the University offers a variety of special interest courses for citizens of the community and region. These short courses normally meet one evening per week, and they range from four to sixteen weeks in length depending upon the subject. Most are taught by regular University faculty and use the University laboratories, studios, shops, recreation facilities, library, and other specialized resources. All are welcome to enroll. Most courses do not have prerequisites or examinations and no prior college experience is necessary. For information, please write Division of Special Programs, Eastern Kentucky University, Richmond, Kentucky 40475-0951 or call (606) 622-1444.

DIVISION OF
TELEVISION AND RADIO
Fred C. Kolloff, Director

The Division of Television and Radio operates a professionally equipped and staffed color television production and radio broadcast facility.

TELEVISION SERVICES

The Division's Television Section aids the faculty and staff in the production of instructional television materials through the use of studio, portable videotape and/or film facilities. The Division also supports University instruction through acquiring materials distributed by other programming agencies. In addition, the Division produces public service materials directed toward the citizens of Kentucky and distributed over the Kentucky Educational Television, commercial stations and community cable systems.

The University's television facilities serve as a laboratory for those students involved in television broadcasting. Students may participate through volunteer, University work and/or academic credit programs.

The Division also operates and maintains the campus wide closed-circuit television cable system which provides educational, commercial and campus-originated instructional programs to classroom buildings, dormitory lounges, the University Center, married student housing, and on-campus faculty housing.

WEKU-FM RADIO

The Division also provides a public service to the citizens of central Kentucky with cultural, informational and instructional programming over WEKU-FM (88.9 mhz), the University's 50,00 watt stereo public radio station.

In order to bring the resources of the University to the public, several program series are produced in conjunction with University faculty and staff members. In addition, live broadcasts of University orchestras and choral groups, as well as guests lecturers are integrated into a varied format of music and information.

Student participation within WEKU-FM is encouraged through volunteer, University work and academic credit programs.

Further information concerning Eastern Kentucky University's television and radio facilities and services may be obtained by writing Division of Television and Radio, Eastern Kentucky University, Richmond, Kentucky 40475-0951 or calling (606) 622-2474.

DIVISION OF
ACADEMIC COMPUTING SERVICES
Carol J. Teague, Director

The Division of Academic Computing Services assists members of the University community with instructional or research projects requiring the use of a computer. Timesharing capabilities are provided by a Digital Equipment Corporation PDP-11/70 computer located on campus. The Kentucky Educational Computing Network provides remote processing on an IBM 370/165 and a DECsystem-10.

Consultation and programming services are available to help members of the faculty and staff use available computing facilities. Educational seminars are offered periodically on topics of general interest to users. The division also publishes and distributes user's guides and newsletters for the campus community. For information, please write Division of Academic Computing Services, Eastern Kentucky University, Richmond, Kentucky 40475-0940 or call (606) 622-1422.

DIVISION OF
ADMINISTRATIVE SYSTEMS AND PROGRAMMING
A. David Allgier, Director

The Division of Administrative Systems and Programming coordinates all requirements for administrative computing application systems development and maintenance. The systems programming function operates in concert with the Division of Administrative Computer Operations and Quality Control to assure appropriate computing resource support for user applications.

In addition to systems design, programming, training, documentation, and consulting, the Division also provides a limited number of College of Business data processing students with the additional educational discipline of working in an actual production environment.

For information, please write Division of Administrative Systems and Programming, Eastern Kentucky University, Richmond, Kentucky 40475-0951 or call (606) 622-1968.

DIVISION OF
ADMINISTRATIVE COMPUTER OPERATIONS AND QUALITY CONTROL

Patrick E. Ridgley, Director

The Division of Administrative Computer Operations and Quality Control provides data processing support for the administrative needs of the University. In fulfilling its mission, the Division provides data entry and computer operations services to the University community. The facilities of the Division also serves as a laboratory for students in the data processing and computer science programs offered by Eastern Kentucky University. Students gain experience in operating the University's campus computer systems while working with professional staff in an on-the-job training atmosphere. For information, please write Division of Administrative Computer Operations and Quality Control, Eastern Kentucky University, Richmond, Kentucky 40475-0951 or call (606) 622-3496.

DIVISION OF
NATURAL AREAS

William H. Martin, Director

Eastern Kentucky University is responsible for the protection and management of three natural areas in Kentucky that serve as outdoor settings for all levels of environmental education and ecological research. These are: Lilley Cornett Woods (Letcher County); Maywoods Environmental and Educational Laboratory (Garrard County); and Spencer-Morton Preserve (Powell County). The Division of Natural Areas is responsible for coordinating the research, educational programs, development, and use of these areas, and provides coordinating and consulting services on the management of natural areas owned by public agencies and private organizations. Natural areas under the supervision of the Division are available for use by the general public for passive recreation activities such as hiking.

Lilley Cornett Woods, the largest protected tract of virgin forest in eastern Kentucky, is a Registered National Natural Landmark (U. S. Department of Interior). The Woods is used primarily for base-line ecological research and advanced undergraduate and graduate instruction by the University and other institutions of higher education. Public use is limited to guided tours in this unique forest.

Maywoods Environmental and Educational Laboratory is used by the University and elementary and secondary schools for environmental education. This 1700-acre forested natural area is an official State Wildlife Refuge used to attract and protect native wildlife through approved wildlife management programs. On-site facilities provide for use of Maywoods as an off-campus conference and workshop location for the University.

Spencer-Morton Preserve (popularly known as Pilot Knob) is owned by The Nature Conservancy and leased to the University for protection and management. Although used primarily for ecological research, the preserve is open to the general public for daytime hiking. This area is located a short distance from the nationally-prominent Red River Gorge and is a popular and scenic natural area easily accessible to central and eastern Kentucky.

The Division also provides on-campus coordination of University affiliations with educational programs including Tech Aqua Biological Station (Tennessee) and the marine science program at the Gulf Coast Research Laboratory (Mississippi). (See College of Natural and Mathematical Sciences and Department of Biological Sciences portions of this Catalog.)

For further information concerning natural areas, please write Division of Natural Areas, Eastern Kentucky University, Richmond, Kentucky 40475-0947 or call (606) 622-3122.

UNIVERSITY ARCHIVES

Charles C. Hay, Archivist

The University Archives is responsible for preserving the records, publications, photographs, films, and memorabilia of permanent value that document the development of Eastern Kentucky University and the history and culture of the region it serves. The Archives houses Oral History Center tapes and offers extensive reference service to administrative offices, faculty and staff, students, and others interested in research. The Archives also restores old documents and coordinates University-wide records management efforts.

The University Archives encourages donation from the public of relevant items relating to the history of Eastern Kentucky University and the region served by the institution. For information, please write University Archives, Eastern Kentucky University, Richmond, Kentucky 40475-0937 or call (606) 622-2820.

ORAL HISTORY CENTER

William H. Berge, Director

The Oral History Center is actively engaged in collecting, editing, preserving, and making available for research and study taped interviews with people from the Eastern Kentucky University community and Kentucky in general. These interviews provide evidence that fill the gaps in historical knowledge and serve as a link from the immediate present to the immediate past. The Oral History Center tapes and indexes are available to administrators, faculty and staff, students, alumni, and any others interested in research and study of Eastern Kentucky University, Kentucky education, and Kentucky history and folklore. In addition, the Oral History Center offers its services to schools, historical societies, and other groups interested in studying and preserving the history of their communities.

For additional information, please write Oral History Center, Eastern Kentucky University, Richmond, Kentucky 40475-0958 or call (606) 622-2446.

ARNIM D. HUMMEL PLANETARIUM

Jack K. Fletcher, Director

The primary responsibility of the Arnim D. Hummel Planetarium, scheduled to begin operations during the 1982-1983 academic year, will be to provide supplementary support to the University's academic offerings through creation of an unique environment that will enhance subject matter being presented. A second responsibility of the Hummel Planetarium will be to make its programs and facilities available to all Kentucky public schools, and to encourage all grade levels to take advantage of this unique facility. Finally, the Hummel Planetarium will have the responsibility to provide all Kentucky citizens with the opportunity to attend special programs for their education and enjoyment.

The Hummel Planetarium will achieve its uniqueness through use of planetarium instrumentation centered under a 20.6 meter projection dome tilted at an angle of 27 degrees. Controlled by a dedicated computer, the planetarium equipment will simulate the sky as seen with the unaided eye from any location on earth, or allow travel to any point within the

solar system and many points beyond. In addition to the stars and planets, any known astronomical phenomena such as comets, novas, meteors, eclipses of the sun and moon, and double star systems can be simulated for audience viewing. Additional equipment, such as slide animation, special lighting, and audio will be integrated into the system to supplement astronomical and non-astronomical planetarium programs.

The Hummel Planetarium building, in addition to the planetarium chamber, will include three display areas which will contain hands-on astronomy and space science exhibits and a gift shop where visitors may secure related astronomical and space-science items. For further information, please write Arnim D. Hummel Planetarium, Eastern Kentucky University, Richmond, Kentucky 40475-0951 or call (606) 622-4321.

J. T. DORRIS MUSEUM

****, Director**

The University Museum is a memorial to its founder, Dr. J. T. Dorris, who served as Professor of History at Eastern from 1926 until his retirement in 1965. The Museum provides a dramatic learning experience for the entire community and features the past in Madison County and the Commonwealth with exhibits from prehistoric times to the present.

Special tours are provided according to the age and interest of the individual or group. Of particular appeal are the demonstrations, full-scale furnished log cabin, Gibson Collection of 18th Century Medical Tools and Books, Kunkel Collection of Pioneer Tools and Prehistoric Artifacts, Rare Book and Manuscript Collection, and War Records Collection.

For information, please write J. T. Dorris Museum, Eastern Kentucky University, Richmond, Kentucky 40475-0951 or call (606) 622-5585.

**The Dorris Museum was closed to the public on July 1, 1981, and will remain closed until further notice.

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The Dorris Museum was closed to the public on July 1, 1981, and will remain closed until further notice.

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